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




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- Detailed Specifications are available upon request.
- Customized specifications are available, please contact TAI-TECH for the details.
- 最新規格可瀏覽網站：www.tai-tech.com.tw
- 詳細規格可在需求時提供
- 特殊規格可開發，詳情請洽西北臺灣

Products

■ EMI Suppression Filters : Beads,Common Mode Chokes.







Description	Model	P/N	Package Size	Impedance Range (ohm)	Rated Current (mA)	*OP Temp.	Page
Ferrite Chip Beads		FCM	1005K,M	30 – 1000	50 – 300	125	26
			1608K,H,C	10 – 2000	150 – 700	125	29
			2012K,H,C,N	7 – 2000	250 – 900	125	32
			3216K	26 – 600	400 – 900	125	35
High Current Ferrite Chip Beads		HCB	1005P,K,M	10 – 220	1500 – 3000	125	38
			1608Z,K	26 – 600	1000 – 6000	125	40
			2012K	30 – 600	1000 – 3000	125	42
			3216K	30 – 600	1000 – 3000	125	44
			4516K	60 – 80	3000 – 6000	125	46
			4532K,M	80 – 1300	3000 – 6000	125	48
Ultra High Current Ferrite Beads		BPH	323023	23	21000	125	50
			322521	25	15000	125	50
			403025	20 – 35	24000-35000	125	51
			853025	65	30000	125	51
Ferrite Chip Bead Array		FCA-K	3216	30 – 1000	150 – 500	125	52
Common Mode Choke		WCM	1608	22 – 250	400-550	125	54
			2012	67 – 1000	100 – 400	125	56
			3216	90 – 2200	200 – 400	125	59
			3225	90 – 1000	400 – 1000	125	62
			4532HI	90 – 2800	900 – 4000	125	63
			4532	80 – 800	1000 – 3000	125	65
			7060	70 – 1300	3000 – 15000	125	67
	HDMI	2012	67 – 90	300-400	125	69	
	HSF	1210	35 – 90	200 – 250	125	71	
	HSF-H	2012	30 – 120	300-400	125	73	
		TCM (3 lines)	322512	160 – 500	200 – 500	125	75

Note: Operating Temperature

180: -55°C~+180°C, 150: -55°C~+150°C, 125: -55°C(-40°C)~+125°C, 105: -40°C~+105°C, 85: -40°C~+85°C

Products

■ EMI Suppression Filters : Common Mode Chokes, Balun.







Description	Model	P/N	Package Size	Impedance/ Inductance Range (ohm)(uH)	Rated Current (mA)	*OP Temp.	Page
Common Mode Choke		ACM	3225	500 – 1000	1500 – 2000	85	76
			3225	11 – 100uH	150 – 300	125	77
			4532	11 – 100uH	200 – 360	125	79
		APO	322523N	2.2 – 47uH	300 – 1000	125	80
			322523T	4.7 – 10uH	450 – 720	125	81
			322530N	2.2 – 22uH	720 – 2200	125	82
		ACM	9152Z	100 – 2000	500 – 2000	105	83
			9152L	5.0 – 51uH	800 – 1200	105	85
		DCM	3216S/U	60uH	200	85	87
			3532S/U	75 – 160uH	200 – 300	85	89
			4532	50-60uH	20	125	91
		WCM	5025	250 – 1500	1500 – 5000	125	92
			7060	70 – 3000	900 – 15000	125	93
			9070	300 – 3000	3000 – 6000	125	95
1211			230 – 2700	1500 – 10000	125	96	
Balun Filters		BCM	2012	-	-	125	98
			3225	-	-	85	101
			5145	-	-	85	102

Note: Operating Temperature

180: -55°C~+180°C, 150: -55°C~+150°C, 125: -55°C(-40°C)~+125°C, 105: -40°C~+105°C, 85: -40°C~+85°C

Products

■ Inductors : Chip Inductors ,Wire Wound Inductors, HAC Inductors.





Description	Model	P/N	Package Size	Inductance Range (uH)	Rated Current (mA)	*OP Temp.	Page	
Multilayer Chip Inductor		FCI	1005	1.0 – 2.2	10 – 15	105	103	
			1608	0.047 – 10.0	15 – 50	105	104	
			201209/12	0.047 – 10.0	15 – 300	105	105	
			3216	1.0 – 10.0	25 – 100	105	106	
Wire Wound Inductor		SWF-LF	1608	0.047 – 10.0	270 – 1500	125	107	
			SWF-CF/RIF	1608 CF/RIF	0.047 – 22.0	180 – 1400	125	109
				2012 CF/RIF	0.47 – 33.0	145 – 750	125	112
				2520	1.00 – 33.0	236 – 1000	125	115
Multilayer Chip Inductor For High Frequency		HCI	0603	0.8 – 82.0(nH)	70 – 500	105	119	
			1005	1.0 – 330(nH)	50 – 400	105	121	
			1608	1.0 – 180(nH)	150 – 500	105	123	
			Wire Wound Inductor For High Frequency		SWI	0402	1.2 – 120(nH)	30 – 960
0603	2.0 – 390(nH)	100 – 700				125	127	
0805	2.0 – 1000(nH)	170 – 800				125	129	
1008	10 – 10000(nH)	170 – 1000				125	131	
Hearing Aid (HAC) Inductors		PAS Z Type	2016	1000	20	125	133	
			3010	280	50	125	134	
			3012	500-680	80	125	135	
			3015	1200	80	125	136	
			4018	1000	60	125	137	
		PAS XY Type	4420	300– 3500	20–70	125	138	
			6420	5200– 7200	15–30	125	139	
			8027	4500– 18520	20	125	140	
			1225	100– 7200	50–300	125	141	

Note: Operating Temperature

180: -55°C~+180°C,150: -55°C~+150°C, 125: -55°C(-40°C)~+125°C, 105: -40°C~+105°C,85: -40°C~+85°C

Products

Inductors : Chip Inductors ,Sealed Type Wire Wound Inductors.



Description	Model	P/N	Package Size	Inductance Range (uH)	Irms (A)	Isat (A)	*OP Temp.	Page
Multilayer Chip Power Inductor		CPI	160809	0.33 – 2.20	0.35 – 0.90	-	105	142
			201210	0.47 – 4.70	0.70 – 1.20	-	105	143
			201610	0.47 – 4.70	0.90 – 1.60	-	105	144
			252010	0.47 – 4.70	1.10 – 1.80	-	105	145
		FCH	160808	1.00 – 4.70	1.00 – 1.70		105	146
			MPI	160809M/S	1.00 – 4.70	0.35 – 1.00		105
	201210M/S			1.00 – 4.70	0.80 – 1.40		105	149
	201610M/S			1.00 – 4.70	0.85 – 1.40		105	151
	252010M/S			1.00 – 4.70	0.95 – 1.60		105	153
	Sealed Type Power Inductor		HPC	160809TF	1.00 – 10.0	0.25-0.90	0.20 – 0.80	125
252008MF				1.00 – 10.0	0.45 – 1.20	0.55 – 1.75	125	156
252012CF				1.00 – 10.0	0.84 – 2.20	0.82 – 2.80	125	157
3010NF				1.00 – 22.0	0.60 – 2.10	0.43 – 1.80	125	158
3010TF				1.00 – 22.0	0.60 – 2.10	0.43 – 1.80	125	159
3012NF				1.00 – 22.0	0.61 – 2.00	0.49 – 2.15	125	160
3012TF				1.00 – 22.0	0.61 – 2.00	0.49 – 2.15	125	161
3015TF				1.00 – 47.0	0.40 – 2.20	0.35 – 2.20	125	162
4010TF				1.00 – 22.0	0.80 – 2.30	0.60 – 2.40	125	163
4012TF				1.00 – 22.0	0.72 – 2.50	0.60 – 3.30	125	164
4018NF				1.00 – 220	0.90 – 3.70	0.90 – 4.00	125	165
4030NF				0.68 – 47.0	0.72 – 4.60	0.95 – 6.80	125	166
5020NF				1.00 – 47.0	0.70 – 4.10	0.70 – 5.00	125	167
5040NF				1.00 – 100	0.72 – 5.00	0.75 – 7.50	125	168
6020NF				1.00 – 22.0	1.40 – 4.50	1.30 – 6.20	125	169
6028NF				1.00 – 100	0.72 – 5.20	0.80 – 5.75	125	170
6045NF			0.36 – 470	0.40 – 9.00	0.50 – 18.0	125	171	
8040NF			1.00 – 470	0.63 – 8.50	0.60 – 13.8	125	173	
UHP			160808TF	1.00 – 10.0	0.30 – 1.15	0.21 – 0.80	125	175
			201208TF	1.00 – 10.0	0.38 – 1.50	0.35 – 1.20	125	176
	201210RF	1.00 – 10.0	0.60 – 2.10	0.32 – 1.10	125	177		
	201610NF	0.47 – 22.0	0.30 – 2.60	0.43 – 3.00	125	178		
		252010BF	0.47 – 10.0	0.75 – 2.80	0.75 – 2.85	125	179	
		252012BF	0.47 – 22.0	0.50 – 3.70	0.56 – 4.00	125	180	

Note: Operating Temperature

180: -55°C~+180°C, 150: -55°C~+150°C, 125: -55°C(-40°C)~+125°C, 105: -40°C~+105°C, 85: -40°C~+85°C

Products

■ Inductors : Sealed Type Wire Wound Inductors.


Description	Model	P/N	Package Size	Inductance Range (uH)	Irms (A)	Isat (A)	*OP Temp.	Page
Sealed Type High Current Power Inductor		DFP	201610TF	0.24 – 2.20	1.70 – 4.40	2.10 – 5.10	125	181
			201612NF	0.24 – 2.20	1.50 – 4.00	2.00 – 5.40	125	182
			252010BF	0.24 – 2.20	1.80 – 3.60	2.40 – 4.80	125	183
			252012BF	0.24 – 2.20	2.30 – 4.70	2.70 – 8.00	125	184
			3010EF	0.47 – 10.0	0.90 – 4.10	1.10 – 5.40	125	185
			3012EF	0.33 – 6.80	1.20 – 4.20	1.90 – 8.00	125	186
			322510BF	0.47 – 10.0	0.90 – 4.00	1.20 – 5.00	125	187
			322512BF	0.33 – 10.0	1.00 – 4.70	1.30 – 6.00	125	188
			4010EF	0.47 – 10.0	1.10 – 3.50	1.00 – 4.30	125	189
			4012EF	0.47 – 2.20	2.20 – 3.80	3.20 – 5.10	125	190
		AHP	201608RA	0.24 – 10.0	0.80 – 4.00	0.90 – 7.00	125	191
			201610FA	0.24 – 4.70	1.60 – 5.70	1.60 – 7.50	125	192
			252008RA	0.24 – 4.70	1.20 – 4.50	1.50 – 5.30	125	193
			252010FA	0.24 – 4.70	1.70 – 5.50	1.70 – 9.50	125	194
			252012FA	0.33 – 3.30	1.40 – 5.50	1.50 – 8.00	125	195
			3010HF	0.47 – 10.0	1.10 – 4.00	1.30 – 6.80	125	196
			3012HF	0.33 – 10.0	1.40 – 5.50	1.50 – 9.00	125	197
			4008RA	0.47 – 10.0	1.20 – 3.50	2.10 – 6.00	125	198
			4010HF	0.47 – 10.0	1.40 – 4.50	1.80 – 8.00	125	199
			4012HF	0.47 – 10.0	1.60 – 6.00	2.00 – 10.0	125	200
4020BM	0.22 – 10.0	2.40 – 9.50	4.00 – 23.0	125	201			

Note: Operating Temperature




180: -55°C~+180°C, 150: -55°C~+150°C, 125: -55°C(-40°C)~+125°C, 105: -40°C~+105°C, 85: -40°C~+85°C

Products

■ Power Inductors

Description	Model	P/N	Package Size	Inductance Range (uH)	IDC (A)	Isat (A)	*OP Temp.	Page
Power Inductor		FPI	0302BM	0.29 – 470	IDC 0.09-5.00		125	202
			0403BM	1.00 – 120	IDC 0.20-4.00		125	204
			0503BM	1.50 – 33.0	IDC 1.40-4.10		125	206
			0504BM	1.00 – 120	IDC 0.60-3.50		125	207
			0703BM	10.0 – 330	IDC 0.28-1.44		125	209
			0705BM	3.30 – 470	IDC 0.34-4.60		125	211

■ Hi-Current Power Inductors


Description	Model	P/N	Package Size	Inductance Range(uH)	Irms (A)	Isat (A)	*OP Temp.	Page
Mini Molding Type High Current Power Inductor		AWP	252010FW	0.24 – 4.70	1.20 – 5.70	1.30 – 6.30	125	213
			252012FW	0.24 – 4.70	1.80 – 6.20	1.80 – 7.50	125	214
			322512FW	0.33 – 3.30	2.80 – 8.00	2.60 – 8.20	105	215
Mini Molding Type High Current Power Inductor		TMIM	201610A	0.24 – 2.20	2.30–6.50	2.65–7.70	125	216
			252010A	0.22 – 2.20	2.80–7.20	3.00–7.70	125	217
			322512A	0.22 – 6.80	1.70–9.50	1.80–9.30	125	218
			322520A	0.33 – 1.50	5.30–8.50	6.00–11.00	125	219
Molding Type High Current Power Inductor		TMPC	0312H	0.47 – 10.0	1.00 – 5.00	1.40 – 7.20	125	220
			0315H	0.22 – 10.0	1.20 – 7.00	1.60 – 10.8	125	221
			0302H	0.10 – 10.0	1.40 – 10.5	1.60 – 14.0	125	222
			0412HP	0.10 – 10.0	1.30 – 11.5	1.40 – 25.0	125	223
			0415HP	0.12 – 10.0	1.50 – 15.0	1.90 – 20.0	125	224
			0402HP	0.33 – 22.0	1.20 – 10.0	1.40 – 18.0	125	225
			0512HP	0.10 – 10.0	1.50 – 14.0	1.80 – 14.5	125	226
			0515HP	0.20 – 22.0	1.20 – 15.0	1.70 – 22.5	125	227
			0518HP	0.33 – 15.0	1.70 – 11.0	2.30 – 15.0	125	228
			0502HP	0.10 – 22.0	1.50 – 18.0	1.80 – 45.0	125	229
			0503HP	0.10 – 22.0	1.40 – 23.0	2.20 – 27.0	125	231
			0503H	0.10 – 33.0	1.60 – 23.0	1.60 – 27.0	125	232
			053T	0.10 – 4.70	4.50 – 20.0	5.00 – 34.0	125	234
			0612H	0.22 – 10.0	1.80 – 11.0	2.50 – 19.0	125	235
			0615H	0.22 – 22.0	1.50 – 14.0	2.50 – 22.0	125	236
			0618H	0.22 – 10.0	2.30 – 16.0	3.50 – 26.0	125	237
0602H	0.10 – 22.0	1.50 – 21.0	2.50 – 40.0	125	238			
0624H	0.22 – 10.0	3.20 – 21.0	5.00 – 34.0	125	240			

Note: Operating Temperature

180: -55°C~+180°C, 150: -55°C~+150°C, 125: -55°C(-40°C)~+125°C, 105: -40°C~+105°C, 85: -40°C~+85°C

Products

■Hi-Current Power Inductors



Description	Model	P/N	Package Size	Inductance Range(uH)	I _{rms} (A)	I _{sat} (A)	*OP Temp.	Page
Molding Type High Current Power Inductor		TMPC	0603H	0.10 – 10.0	3.50 – 32.5	6.00 – 60.0	125	241
			0604H	0.15 – 15.0	3.00 – 30.0	3.50 – 55.0	125	243
			0605H	0.33 – 22.0	2.50 – 25.0	5.50 – 32.0	125	244
			8040HP	0.22– 10.0	5.60 – 31.0	10.0 – 60.0	125	245
			1002H	1.00 – 8.20	3.20 – 8.50	9.00 – 26.0	125	246
			1003H	0.36 – 10.0	5.00 – 23.0	8.00 – 40.0	125	247
			1004H	0.15 – 22.0	5.00 – 43.0	7.00 – 75.0	125	248
			1005H	0.30 – 68.0	2.50 – 38.0	4.00 – 65.0	125	250
			120804H	0.22 – 0.47	35.0 – 45.0	60.0 – 80.0	125	252
			1235HP	1.00 – 10.0	7.50 – 24.0	14.0 – 40.0	125	253
			1205HP	0.20 – 22.0	6.50 – 52.0	10.0 – 110	125	254
			1206HP	1.00 – 47.0	5.50 – 29.0	7.00 – 45.0	125	256
			1265HP	0.15 – 47.0	6.50 – 55.0	9.50 – 118	125	257
			1707HP	1.00 – 100	5.30 – 52.0	6.50 – 60.0	125	259

Note: Operating Temperature

180: -55°C~+180°C, 150: -55°C~+150°C, 125: -55°C(-40°C)~+125°C, 105: -40°C~+105°C, 85: -40°C~+85°C

Products

■ Hi-Current Power Inductors



Description	Model	P/N	Package Size	Inductance Range(μ H)	I _{rms} (A)	I _{sat} (A)	*OP Temp.	Page
Molding Type High Current Power Inductor High I _{rms} .		TMPA	0603HT	0.47 – 22.0	3.40 – 20.0	3.00 – 21.0	180	260
			1004HT	1.00 – 68.0	3.50 – 27.0	3.50 – 29.0	180	261
			1265HT	0.22 – 33.0	7.60 – 45.0	8.00 – 75.0	180	262
			404010S	10.0	1.60	2.00	150	263
			0503S	0.47 – 10.0	3.80 – 13.5	2.50 – 10.0	150	264
			606010SP	6.80 – 10.0	1.70 – 2.10	2.10 – 2.50	150	265
			0603S	0.15 – 22.0	2.50 – 30.0	3.00 – 40.0	150	266
			0604S	0.33 – 6.80	7.60 – 25.0	6.80 – 28.0	150	268
			0605S	0.15 – 47.0	2.60 – 35.0	1.80 – 45.0	150	269
			1003S	0.22 – 8.20	7.20 – 33.0	7.20 – 50.0	150	270
			1004S	0.15 – 22.0	5.00 – 44.0	6.20 – 82.0	150	271
			1005S	0.30 – 100	2.20 – 36.0	2.80 – 55.0	150	273
			1205SP	0.22 – 150	2.70 – 55.0	3.20 – 65.0	150	275
			1206SP	0.36 – 150	2.60 – 60.0	4.10 – 70.0	150	277
			1265SP	0.22 – 100	5.00 – 53.0	5.00 – 112	150	278
			1707SP	0.47 – 100	6.00 – 60.0	6.50 – 110	150	280
2313SP	1.50 – 100	11.0 – 62.0	9.00 – 52.0	150	282			
Molding Type High Current Power Inductor High I _{sat} & I _{rms} .		TMHC	0503S	0.10 – 10.0	2.80 – 25.0	2.80 – 33.0	150	284
			0603S	0.10 – 33.0	2.00 – 37.5	3.00 – 60.0	150	285
			0603LF	0.10 – 8.20	4.50 – 32.0	5.50 – 52.0	150	287
			0604LF	0.15 – 15.0	4.00 – 30.0	5.50 – 45.0	150	288
			0605S	0.10 – 10.0	5.50 – 32.0	7.00 – 65.0	150	290
			0803SP	0.22 – 15.0	4.70 – 30.0	5.50 – 40.0	150	291
			0804SP	2.20 – 47.0	2.90 – 36.0	3.10 – 60.0	150	292
			1004S	0.10 – 68.0	2.40 – 53.0	3.50 – 85.0	150	294
			1205SP	0.15 – 22.0	7.50 – 55.0	11.0 – 100	150	296
			1265SP	0.22 – 56.0	6.00 – 55.0	8.00 – 105	150	297
			1707SP	0.47 – 47.0	8.70 – 60.0	13.0 – 115	150	298

Note: Operating Temperature



180: -55°C~+180°C, 150: -55°C~+150°C, 125: -55°C(-40°C)~+125°C, 105: -40°C~+105°C, 85: -40°C~+85°C

Products

■ Hi-Current Power Inductors

Description	Model	P/N	Package Size	Inductance Range(uH)	I _{rms} (A)	I _{sat} (A)	*OP Temp.	Page
Molding Type High Current Power Inductor Low Rdc.		TMPF	0402LR-ABD	0.47 – 3.30	5.50 – 13.2	5.30 – 14.0	150	299
			0402A-ABD	0.10 – 1.80	7.00 – 18.0	7.50 – 38.0	150	300
			0403LR-ABD	0.90 – 3.30	6.60 – 11.2	6.20 – 10.0	150	301
			0502A-ABD	0.15 – 1.50	8.80 – 18.8	13.3 – 30.0	150	302
			0503A-ABD	0.15 – 4.70	5.90 – 22.2	8.20 – 36.0	150	303
			0505LR-ABD	4.70 – 8.20	6.10 – 8.10	7.20 – 8.80	150	304
			0603A-ABD	0.18 – 4.70	6.00 – 32.0	9.00 – 40.0	150	305
			0604A-ABD	0.47 – 5.60	6.70 – 24.0	9.80 – 31.0	150	306
			0605A-ABD	0.82 – 4.70	8.50 – 21.0	10.5 – 24.0	150	307
			0606LR-ABD	4.70 – 8.20	8.00 – 11.0	8.50 – 10.5	150	308
			0702A-ABD	0.33 – 1.80	8.00 – 19.0	15.0 – 34.0	150	309
			0703A-ABD	1.00 – 8.20	5.90 – 21.8	10.2 – 30.0	150	310
			0705A-ABD	2.20 – 5.60	10.0 – 14.0	13.0 – 21.0	150	311
			0707A-ABD	2.20 – 6.80	9.50 – 17.8	12.8 – 19.6	150	312
			0808A-ABD	1.80 – 10.0	8.70 – 24.0	11.0 – 28.0	150	313
			1006A-ABD	0.68 – 10.0	9.00 – 34.0	15.0 – 55.0	150	314
1010A-ABD	2.20 – 15.0	13.8 – 32.0	15.5 – 34.0	150	315			
1508A-ABD	0.40 – 22.0	12.0 – 60.0	19.0 – 111.0	150	316			
1510A-ABD	4.70 – 22.0	16.0 – 30.0	20.0 – 43.0	150	317			
1513A-ABD	4.70 – 33.0	14.0 – 31.0	19.0 – 44.0	150	318			
Molding Twin Inductor		TBMA	1004P4	0.43 – 22.0	4.50 – 34.0	4.00 – 27.0	150	319

■ LAN Transformer/Common Mode Chokes


Description	Model	P/N	Package Size	Inductance / Impedance			*OP Temp.	Page
LAN Transformer		TXF-7P	4532	L:180-380uH			85	320
		TXF-7P	4644	L:120-380uH			105	321
Common Mode Choke for LAN		WCM-G	2012	Z:90 – 800			125	322
		WCM-H	2012	Z:90 – 800			125	324

Note: Operating Temperature

180: -55°C~+180°C, 150: -55°C~+150°C, 125: -55°C(-40°C)~+125°C, 105: -40°C~+105°C, 85: -40°C~+85°C

Products


■ LAN Transformer Modules

Description	Model	P/N	Code/Size	Type	Model	Spec.	*OP Temp.	Page
LAN Transformer Modules		12,16,17,28	12M162P7D8	L	Single	10/100M	85	326
			12M162P7B0	L	Single	10/100M	85	326
			16G241P1A8	L	Single	1G	85	328
			17G241P7C8	L	Single	1G	85	329
			28G481P1A8	L	DUAL	1G	85	330
			16E241L1A8	L	Single	2.5/5G	85	331
			16J241L1A9	L	Single	10G	85	332
			16J241Q1A9	L	Single	10G	85	333
			12M162L7A8	L	POE,+	10/100M	85	334
			16G241L1A8	L	POE,+	1G	85	335
			16E241Q1A9	L	POE,+,,	2.5/5G	85	336
			16J241Q1A9	L	POE,+,,	10G	85	337
			12M162C7A8	C	Single	10/100M	85	338
			12M162C7A0	C	Single	10/100M	85	338
			16G241C1A8	C	Single	1G	85	339
			17G241C7A8	C	Single	1G	85	340
16E241C1A8	C	Single	2.5/5G	85	341			
16E241F1A8	C	Thin	2.5/5G	85	341			

Note:

M:10/100,G:1G,E:2.5G/5G,J:10G.LAP-L:POE+,LAP-Q:POE++.

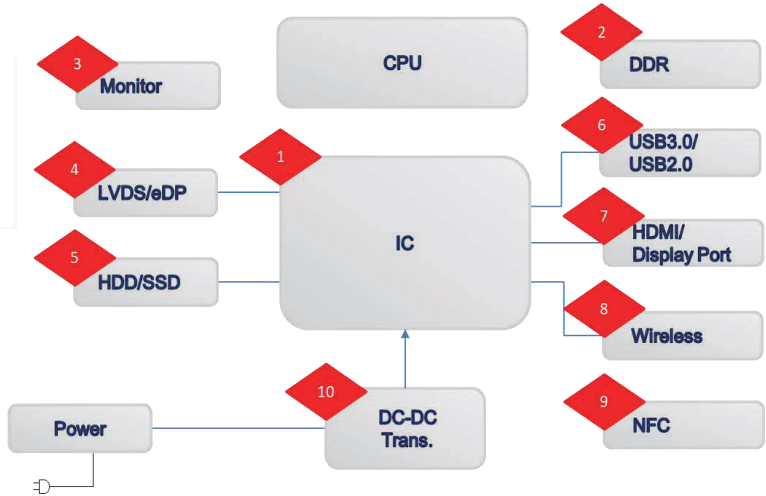
■ Wireless Charging Transmitting / Receiving Coil

Description	Model	P/N	Package Size	Inductance (uH)	Irms (mA)	Power (W)	*OP Temp.	Page
Wireless Charging Coil		CRX	202015	5.0	1200	3.5	85	343
		CTX	505040	6.3	10000	15	85	344
		PRX	483215	12	3000	5.0	85	345
		PTX	555545	10	6000	15	85	346

Note: Operating Temperature

180: -55°C~+180°C, 150: -55°C~+150°C, 125: -55°C(-40°C)~+125°C, 105: -40°C~+105°C, 85: -40°C~+85°C

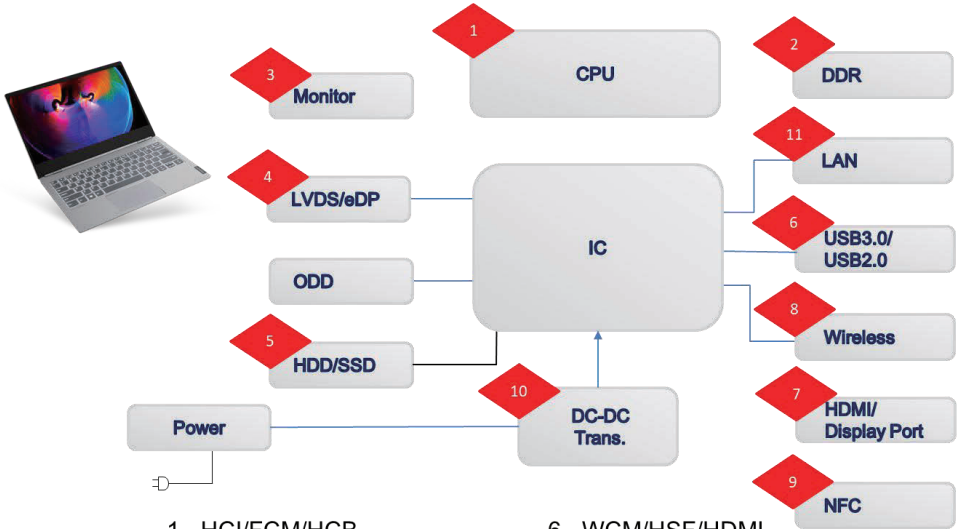
Tablet



- | | |
|--------------------|----------------------|
| 1. HCI/FCM/HCB | 6. WCM/HSF/HDMI |
| 2. HCI/FCM/HCB | 7. WCM/HSF/HDMI |
| 3. CPI/UHP/HPC/AHP | 8. HCI/SWI |
| 4. WCM | 9. HCI/SWI |
| 5. CPI/UHP/HPC/AHP | 10. CPI/ UHP/HPC/AHP |

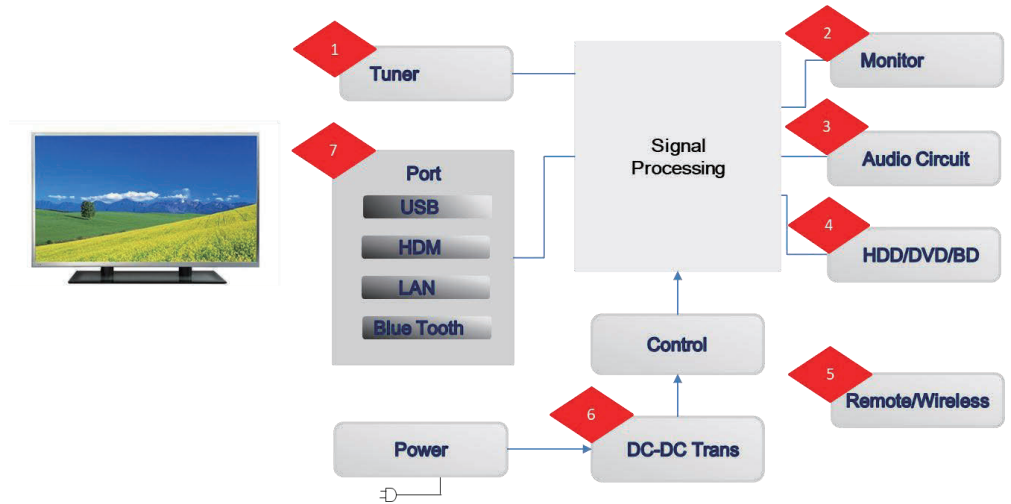
Application Guides

NB



- | | |
|--------------------|--------------------------------|
| 1. HCI/FCM/HCB | 6. WCM/HSF/HDMI |
| 2. HCI/FCM/HCB | 7. WCM/HSF/HDMI |
| 3. CPI/UHP/HPC/AHP | 8. HCI/SWI |
| 4. WCM | 9. HCI/SWI |
| 5. CPI/UHP/HPC/AHP | 10. CPI/HPC/AHP/TMPC/TMPA/TMPF |

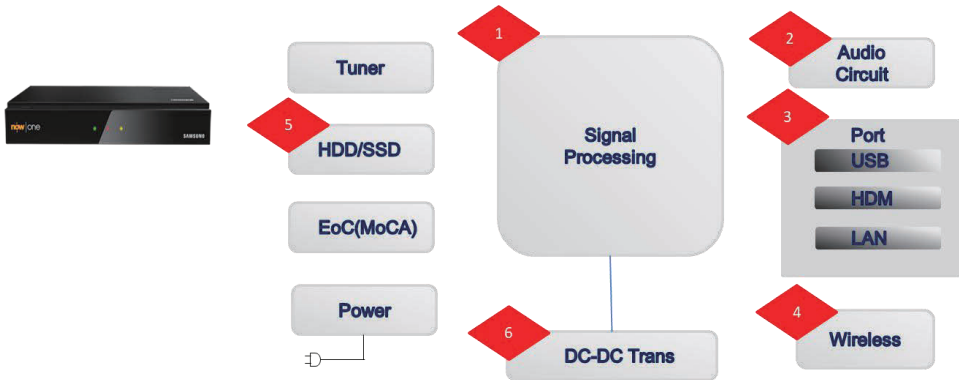
TV/Panel



1. SWI/SWF/WCM
2. HPC/TMPC/TMPA
3. WCM
4. CPI/UHP/HPC/AHP

5. HCI/SWI
6. HPC/AHP/TMPC/TMPA
7. WCM/HDMI/TFX/DCM

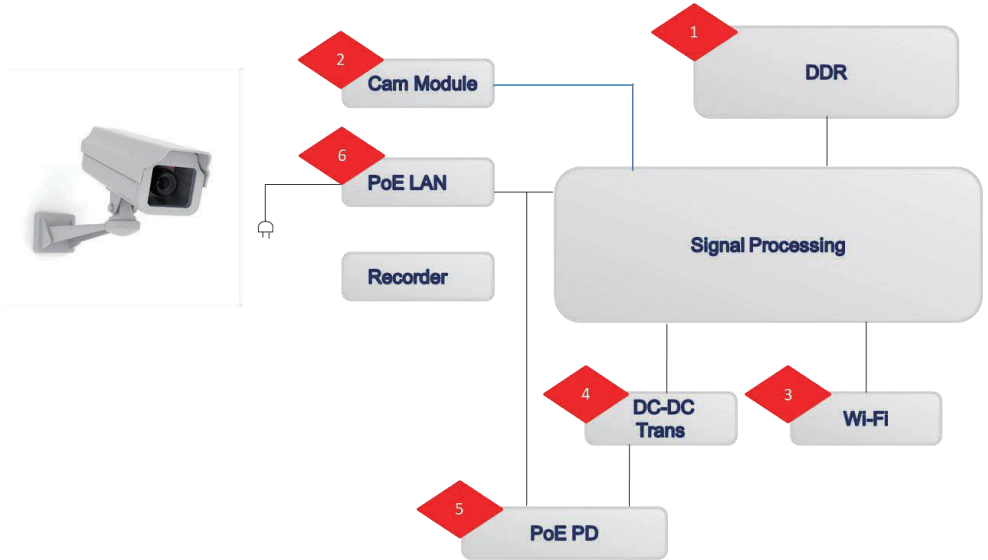
Set-Up Box



1. SWI/HCI/BCM/HCB
2. WCM
3. WCM/HSF/HDMI/TXF

4. HCI/SWI
5. CPI/UHP/HPC/AHP
6. UHP/HPC/AHP/TMPC/TMPA

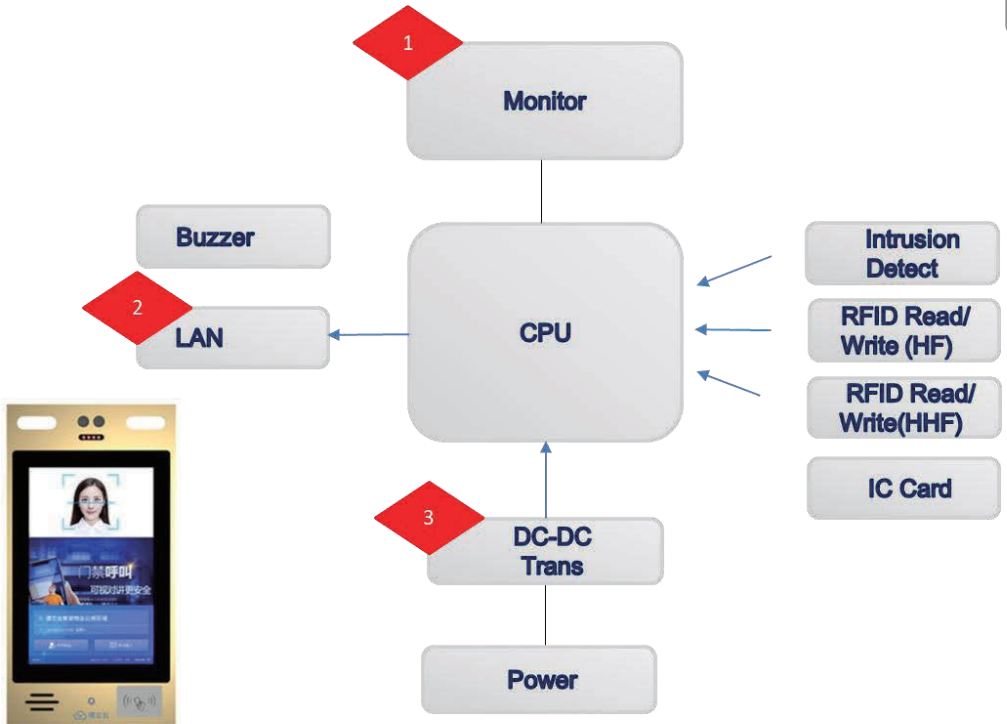
Web Cam



1. HCI/FCM/HCB
2. HCI/FCM/HCB
3. SWI/SWF/HCI

4. HPC/TMPC/TMPA
5. WCM/TXF/DCM
6. WCM/TXF/DCM

Access Control System



1. HCI/UHP/AHP
2. WCM/TXF/DCM
3. HCI/UHP/AHP

Inductors Selection Guide by Thickness

Chip Coils / Inductors

Thickness (mm)	Ferrite (Multilayer)	Ferrite (Wire wound)	High Frequency (Multilayer)	High Frequency (Wire wound)
0.33	-	-	HCI 0603	-
0.60	FCI 1005F	-	HCI 1005	SWI0402
1.00	FCI 1608F / FCI 2012F	SWF 1608 LF	HCI 1608	-
1.20	FCI 2012F	SWF 1608CF	-	SWI0603
1.50	FCI 3216F	SWF 2012CF	-	SWI 0805
2.20	-	SWF 2520CF	-	SWI 1008
2.50	-	SWF 3225CF	-	-

Thickness (mm)	Irms 2.0A max.	Irms 3.0A max.	Irms 5.0A max.	Irms 7.0A max.	Irms 10.0A max.
0.80	HPC2520	-	AHP2016/2520/4008	-	-
1.00	CPI/MPI 160809/2012/2016/2520	HPC2520 HPC3010/4010 UHP2016/2520	AHP/DFP2016/2520 AHP3010/4010 DFP3010/3225/4010	-	-
1.20	-	HPC2520/3012 HPC4012	UHP252012 DFP2016/2520/3012 DFP3225/4012	AHP2520/3012 AHP4012	-
1.50	-	HPC3015	-	-	-
1.80	-	HPC4018	-	-	-
2.00	-	FPI0302	HPC5020/HPC6020	AHP4020	-
2.30	-	-	-	-	-
3.00	-	FPI0403/FPI0503	HPC4030/HPC6028	-	-
3.50	-	FPI0703	-	-	-
4.00	-	FPI0504	HPC5040	-	HPC8040
4.50	-	-	FPI0705	HPC6045	-
Up to 5.00	-	-	-	-	-

Hi-Current Power Inductors

Thickness (mm)	Irms 6.0A max.	Irms 10.0A max.	Irms 20.0A max.	Irms 30.0A	Irms Over 30.0A
1.00	AWP252010	-	-	-	-
1.20	AWP252012 AWP322512	TMPC03	TMPC04/05/06	-	-
1.50	-	TMPC03	TMPC04/05/06	-	-
1.80	-	-	TMPC05/06	-	-
2.00	-	TMPC03/10 TMPF0402	TMPC04/05 TMPF04/05/07	TMPC0602	-
2.40	-	-	-	TMPC0624	-
3.00	-	TMPA0503	TMPF0403	TMPC0503/1003 TMPA0603 TMHC0503 TMPF0503/0603/0703	TMPC0603 TMPF0603 TMPA1003 TMHC0603/0803
3.50	-	-	-	TMHC0604	-
4.00	-	-	-	TMPA0604	TMPC0604/8040/1004 TMPA1004 TMHC0804/1004
Up to 5.00	-	-	TMPF0705/0707	TMPC0605/1206 TMPF0605 TMHC0605	TMPC1005/1205/1265/1707 TMPA0605/1005/1205/1206

Cross Reference

True Wireless Stereo Inductors

TAI-TECH	TAIYO YUDEN				Page
FCH160808SF					146
SWF1608RIF					111
UHP160808TF	MBKK1608T				175
HPC160809TF					155
UHP201208TF	MBKK2012T				176
SWF2012RIF					114

Ferrite Chip Beads

TAI-TECH	muRata	TDK	TAIYO YUDEN	Page
FCM1005	BLM15	MMZ1005	BK1005	26
FCM1608	BLM18	MMZ1608	BK1608	29
FCM2012	BLM21	MMZ2012	BK2125	32
FCM3216	BLM31	-	-	35
HCB1005	BLM15KG/PX	MPZ1005	BKP1005	38
HCB1608	BLM18KG	MPZ1608	BKP1608	40
HCB2012	BLM21PG	MPZ2012	BKP2125	42
HCB3216	BLM31PG	-	FBMH3216	44
HCB4516	BLM41PG	-	FBMH4516	46
HCB4532	-	-	FBMH4532	48
FCA3216	BLA31	-	BK3216-4	52

Common Mode Chokes

TAI-TECH	muRata	TDK	TAIYO YUDEN	Page
WCM2012	DLW21H/S	ACM2012	-	56
WCM3216	DLW31	-	-	59
HDM12012	DLW21	ACM2012H	-	69
HSF1210	-	-	CM01	71
HSF2012	DLW21	-	-	73
ACM4532	DLW43	ACT45B	-	79
TCM3225	-	-	-	75
ACM3225		ACT1210L		76
ACM4532		ACT45L		79
BCM2012	DXW21	ATB2012	-	98
BCM3225		ATB3225		101
BCM5145				102

Chip Coils / Inductors

TAI-TECH	muRata	TDK	TAIYO YUDEN	CoilCraft	Page
FCI1005/1608/2012	LQM18N/21N	MLF1005/1608/2012	LK1005/1608/2125	-	103
SWF1608LF	-	-	-	0603LS	107
SWF2012CF	-	-	-	0805LS	112
SWF2520CF	-	-	-	1008LS	115
SWF3225CF	-	NLCV32T	-	-	117
HCI0603LF	-	MLG0603	HK0603	-	119
HCI1005LF	LQG15	MLG1005	HK1005	-	121
HCI1608LF	LQP18	MLG1608	HK1608	-	123
SWI0402F	LQW15AN	-	-	0402CS	125
SWI0603F	LQW18AN	-	-	0603CS	127
SWI0805F	LQW2BAS	-	-	0805CS	129
SWI1008UF	LQW2UAS	-	-	1008CS	131
PAS4420	-	-	-	-	138
PAS6420	LQW72HN	-	-	-	139
PAS1225	LQW1202	TPL1183427	-	-	141

Cross Reference

Multilayer Type Power Inductors

TAI-TECH	muRata	TDK	TAIYO YU DEN	FDK	Page
CPI160809	LQM18P	MLP1608	CKP1608D	-	142
CPI201210	LQM21P	MLP2012	CKP2012	MIPSZ2012D	143
CPI201610	LQM2MP	MLP2016	CKP2016	MIPPF2016D	144
CPI252010	LQM2HP	MLP2520	CKP2520	MIPSZ2520D	145

Sealed Type Power Inductors

TAI-TECH	TAIYO YU DEN	TDK	Panasonic	Cyntec	Page
UHP201610NF	-	VLS201610	-	PSD20161T	178
UHP252010BF	-	VLS252010	-	PST25201T	179
UHP252012BF	-	VLS252012	ELLYFJ	PST25201B	180
DFP201610TF	MAKK2016	-	-	PIFE20161T	181
DFP201612NF	-	-	-	PIFE20161B	182
DFP252010BF	MAKK2520	-	-	PIFE25201T	183
DFP252012BF	MAMK2520	-	-	PIFE25201B	184
HPC252008MF	-	VLS252008E	-	-	156
HPC3010TF	NRH3010	VLS3010E	ELLVEG	PST031T	159
HPC3012TF	NRH3012	VLS3012E	ELLVFG	PST031B	161
HPC3015TF	NRS3015	VLS3015E	ELLVGG	-	162
HPC4010TF	NRS4010	-	-	-	163
HPC4012TF	NRS4012	VLS4012E	ELL4FG	PST041B	164
HPC4018NF	NRS4018	VLCF4018	ELL4LG	PST041H	165
HPC5020NF	NRS5020	VLCF5020	ELL5PR	-	167
HPC5040NF	NRS5040	-	-	PSI054T	168
HPC6020NF	NRS6020	SLF6020	-	-	169
HPC6045NF	NRS6045	VLP6045	-	PS064T	171
HPC8040NF	NRS8040	VLP8040	-	-	173

Ultra High Current Power Inductors

TAI-TECH	muRata	Taiyo	TDK	SUNLORD	Cyntec	Page
AHP201610FA		MEKK2016T	VLS2016HBX			192
AHP252008RA	DFE252008C					193
AHP252010FA			VLS252010HBX	WPN252010-HR		194
AHP252012FA	1239-AS			WPN252012-H		195

High Current Power Inductors

TAI-TECH	TAIYO YU DEN	TDK	muRata	Cyntec	Page
AWP252010FW	MAKK2520T	VLS252010HBX		PSE2520	213
AWP252012FW	MAMK2520T	VLS252012HBX		PSE2520	214
AWP322512FW	MAMK2520T		DFE322512F	VCTA32251B	215

Cross Reference

Assembly Type Power Inductors

TAI-TECH	SUMIDA	TDK	TOKO	Page
FPI0302	CD32			202
FPI0403	CD43			204
FPI0503				206
FPI0504	CD54			207
FPI0703	CD73			209
FPI0705	CD75			211

High Current Power Inductors

TAI-TECH	VISHAY	TDK	TOKO	Cyntec	Page
TMPC0312H	IHLP-1212AB	SPM3012	FDSD0312	PIME031B	220
TMPC0302H	IHLP-1212BZ	-	-	-	222
TMPC0412HP	IHLP-1616AB	SPM4012	FDSD0412	PIMB041B	223
TMPC0402HP	IHLP-1616BZ	-	FDSD0420	PIMB042T	225
TMPC0512HP	IHLP-2020AB	SPM5012	FDSD0512	PIMB051B	226
TMPC0515HP	-	-	FDSD0515	PIME051E	227
TMPC0518HP	-	-	FDSD0518	PIMB051H	228
TMPC0612H	-	-	-	PIME061B	235
TMPC0615H	-	-	-	PIME061E	236
TMPC0618H	IHLP-2525AH	-	FDV0618	PIMB061H	237
TMPC0602H	-	-	FDV0620	-	238
TMPC0624H	IHLP-2525BD	-	-	PIMB062D	240
TMPC0603H	IHLP-2525CZ	SPM6530	FDV0630	PIMB063T	241
TMPC0604H	-	-	FDV0640	-	243
TMPC0605H	-	-	FDV0650	PIMB065T	244
TMPC1004H	IHLP-4040DZ	-	FDV1040	PIMB104T	248
TMPC1005H	-	-	-	PIMB104E	250
TMPC1235HP	IHLP-5050CE	-	-	PIMB133E	253
TMPC1205HP	IHLP-5050EZ	-	FDU1250	PIMB135T	254
TMPC1206HP	-	-	FDU1260	PIMB136T	256
TMPC1265HP	IHLP-5050FD	-	-	-	257
TMPC1707HP	IHLP-6767GZ	-	-	PIMB177T	259

Cross Reference

High Current Power Inductors

TAI-TECH	VISHAY	Coil Craft	TOKO	Cyntec	Page
TMIM201610A					216
TMIM252010A					217
TMIM322512A					218
TMIM322520A					219
TMPA0503S	IHLP2020CZ			PCMB503T	264
TMPA0603S	IHLP2525CZ			PCMB603T	266
TMPA1004S	IHLP4040DZ			PCMB104T	271
TMPA2313S	IHLP8787MZ				282
TMPF0402LR		XFL4020			299
TMPF0402A		XAL4020			300
TMPF0502A		XAL5020			302
TMPF0503A		XAL5030			303
TMPF0603A		XAL6030			305
TMPF0605A					307
TMPF0703A		XAL7030			310

LAN Transformers

TAI-TECH	TDK				Page
TXF453229	ACT4532				320
TXF4644					321

LAN Transformer Modules

TAI-TECH	BOTHHAND	PULSE			Page
LAN-12M162P	NS0013B				326
LAN-16G241P	GST5009				328
LAN-17G241P		H5007NL			329

Part Numbering

■ Ferrite Chip Beads / Array

FCM
1608
KF
-
121
T
06

1 Series Name

Code	
FCM	Ferrite Chip Bead
HCB	High Current Ferrite Chip Bead
FCA	Ferrite Chip Bead Array

2 Dimension(AxB)

Code	Dimension(AxB)	EIA
1005	1.0mmx0.5mm	0402
1608	1.6mmx0.8mm	0603
2012	2.0mmx1.25mm	0805
3216	3.2mmx1.6mm	1206
4516	4.5mmx1.6mm	1806
4532	4.5mmx3.2mm	1812

3 Material Characteristics/Application

Code	Material Characteristics /
H	For General Use
K	
Z	For Low Speed
M	For High Speed Signal Lines
C	

4 Impedance

Code	Impedance(Ohm)
070	7Ω
700	70Ω
601	600Ω
202	2000Ω

5 Packaging

Code	Packaging
T	Plastic Taping (Φ180mm)
B	Bulk

6 Rated Current

Code	Rated Current(mA)
02	200
05	500
20	2000
60	6000

■ Common Mode Choke Coils / Balun

WCM
2012
F
2
S
F
-
900
T
04

1 Series Name

Code	Common Mode Choke Coil
WCM	Winding Common Mode Filter for USB 2.0
HDMI	Winding Common Mode Filter for HDMI
HSF	Winding Common Mode Filter for USB 3.0
TCM	Tri-wired Common Mode Filter
ACM	Winding Common Mode Filter for Car
BCM	Balun Filter

2 Dimension(AxB)

Code	Dimension(AxB)	EIA
0605	0.6mmx0.5mm	0202
0806	0.8mmx0.6mm	0302
1210	1.2mmx1.0mm	0504
2012	2.0mmx1.2mm	0805
3216	3.2mmx1.6mm	1206
3225	3.2mmx2.5mm	1210
4532	4.5mmx3.2mm	1812

3 Material Characteristics

Code	Material
F	Ferrite Material

4 Numbers of Signal Line

Code	Numbers of Signal Line
2	Two Lines
3	Three Lines
4	Four Lines

5 Type

Code	Type
S	Shielded Type
N	Non-Shielded Type

6 F: Lead Free

7 Impedance

Code	Impedance(Ohm)
900	90Ω
121	120Ω
102	1000Ω

8 Packaging T: Taping and Reel

9 Rated Current

Code	Rated Current(mA)
02	200
10	1000

Part Numbering

■ Chip Coils / Inductors

FCI 2012 F - 100 M

1 2 3 4 5

1 Series Name

Code	
FCI	Ferrite Chip Inductor
SWF	Wire wound Ferrite Chip Inductor
HCI	High Frequency Chip Inductor
SWI	Wire Wound Ceramic Chip
PAS	HearingAid (HAC) Inductor

2 Dimension(AxB)

Code	Dimension(AxB)	EIA
0603	0.6mmx0.3mm	0201
1005	1.0mmx0.5mm	0402
1608	1.6mmx0.8mm	0603
2012	2.0mmx1.25mm	0805
2016	2.0mmx1.6mm	0806
2520	2.5mmx2.0mm	1008
3015	3.0mmx3.0mm	1212
3216	3.2mmx1.6mm	1206
3225	3.2mmx2.5mm	1210
3010	3.0mmx3.0mm	1212
4420	4.4mmx2.0mm	1808
6420	6.4mmx2.0mm	2508

3 Material F: Lead Free

4 Inductance

Code	Inductance
1N0	1.0nH
10N	10nH
R10	100nH
1R0	1.0uH
100	10uH
101	100uH

5 Inductance Tolerance

Code	Inductance Tolerance
B	±0.1nH
C	±0.2nH
S	±0.3nH
G	±2%
H	±3%
J	±5%
K	±10%
L	±15%
M	±20%
Y	±30%

■ Power Inductors / Chokes

CPI 201210 UF - 1R0 M - 1A0

1 2 3 4 5 6

1 Series Name

Code	Common Mode Choke Coil
CPI	Multilayer Type Power Inductor
MPI	
HPC	
UHP	
DFP	Sealed Type Power Inductor
FPI	
AHP	

2 Dimension(AxB)

Code	Dimension(AxB)	EIA
1608	1.6mmx0.8mm	0603
2012	2.0mmx1.25mm	0805
201608/10	2.0mmx1.6mm	0806
252010/12	2.5mmx2.0mm	1008
322510/12	3.2mmx2.5mm	1210
3010/12/15	3.0mmx3.0mm	1212
4010/12/18	4.0mmx4.0mm	1616
5020/40	5.0mmx5.0mm	2020
6020/45	6.0mmx6.0mm	2424
8040	8.0mmx8.0mm	3232

3 Material

Code	Numbers of Signal Line
F	Ferrite Material For Wire wound Inductor
A	
B	
C	
CF	
NF	
UF	Ferrite Material For Multilayer Inductor
MF	
SF	

4 Inductance

Code	Inductance
R47	0.47uH
1R0	1.0uH
100	10uH
101	100uH

5 Inductance Tolerance

Code	Inductance Tolerance
K	±10%
M	±20%
Y	±30%

6 Rated Current

Code	Rated Current
0A6	0.60A
1A0	1.00A

Part Numbering

■ Hi-Current Power Inductors (Molding Type)

TMPC
0603
H
-
4R7
M
-
D

1 Series Name

Code	
AWP	Molding Type Hi-Current Power Inductor
TMPC	
TMPA	
TMPF	
TMHC	
TBMA	
TMIM	

2 Dimension(AxB)

Code	Dimension(AxB)
201610	2.0mmx1.6mm
252010/12	2.5mmx2.0mm
0302	3.5mmx3.2mm
0315	3.5mmx3.2mm
0412/02	4.1mmx4.1mm
0415	4.45mmx4.06mm
0403	4.1mmx4.1mm
0512/15/18	5.7mmx5.2mm
0502/03/05	5.7mmx5.2mm
0612/18/24	7.0mmx6.6mm
0602	7.0mmx6.6mm
0603/04/05	7.3mmx6.6mm
0606/15	7.0mmx6.6mm
0702/03/05/07	7.8mmx7.6mm
0803/04	8.8mmx8.2mm
8040	8.8mmx8.4mm
1002/03/04/05	11mmx10mm
1235/05/06/65/07	13.5mmx12.6mm
1707	17mmx17mm
2313	23.5mmx22mm
120804	13mmx8mm
404010	4.2mmx4.15mm
606010	6.1mmx6.1mm

3 Material

Code	Material/Type
A	Material/Type
U	
H	
HP	
HT	
S	
SP	
LR	
LF	
P	

4 Inductance

Code	Inductance
R47	0.47uH
1R0	1.0uH
100	10uH
101	100uH

5 Inductance Tolerance

Code	Inductance Tolerance
M	±20%
Y	±30%

6 Control No.

■ LAN Transformer

TXF
453229
N
F
-
381
-
7P

1 Series Name

Code	
TXF	LAN Transformer

2 Dimension(AxBxC)

Code	Dimension(AxB)	EIA
453229	4.70x3.22x2.90mm	1812

3 N: Material

4 F: Lead Free

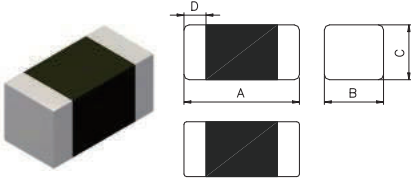
5 Inductance

Code	Inductance(uH)
381	380

6 Control Code



■ Dimensions



Dimensions	
A	1.00±0.10
B	0.50±0.10
C	0.50±0.10
D	0.25±0.10

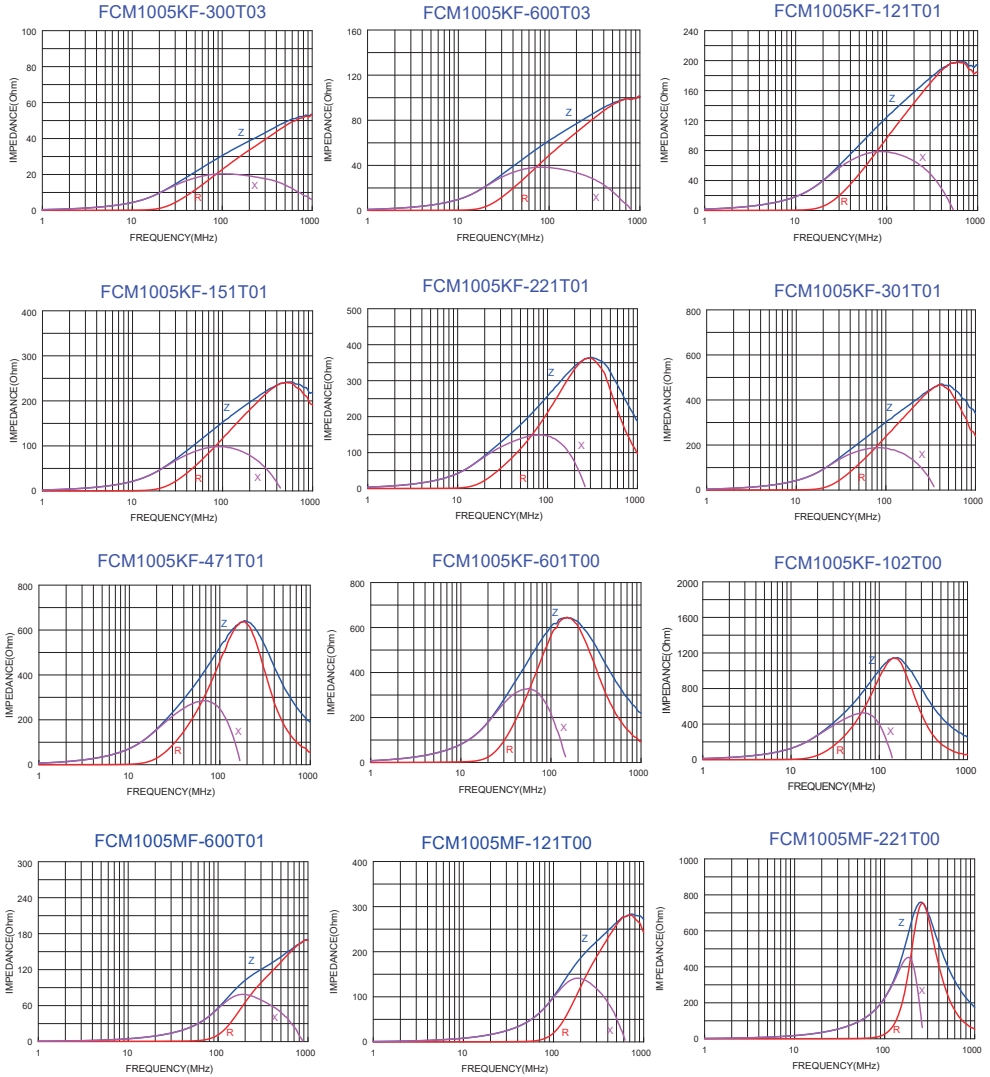
Units: mm

■ Specifications

Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCM1005KF-300T03	30±25%	100	0.20	300
FCM1005KF-600T03	60±25%	100	0.25	300
FCM1005KF-121T01	120±25%	100	0.30	100
FCM1005KF-151T01	150±25%	100	0.30	100
FCM1005KF-221T01	220±25%	100	0.40	100
FCM1005KF-301T01	300±25%	100	0.50	100
FCM1005KF-471T01	470±25%	100	0.65	100
FCM1005KF-601T00	600±25%	100	0.80	80
FCM1005KF-102T00	1000±25%	100	1.20	50
FCM1005MF-600T01	60±25%	100	0.30	100
FCM1005MF-121T00	120±25%	100	0.45	80
FCM1005MF-221T00	220±25%	100	0.60	50
FCM1005MF-301T00	300±25%	100	0.75	50

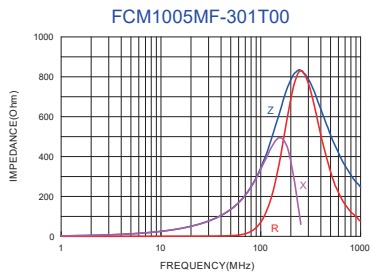


■ Impedance-Frequency Characteristics (Typical)



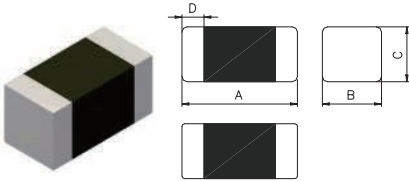


■ Impedance-Frequency Characteristics (Typical)





■ Dimensions



Dimensions	
A	1.60±0.15
B	0.80±0.15
C	0.80±0.15
D	0.30±0.20

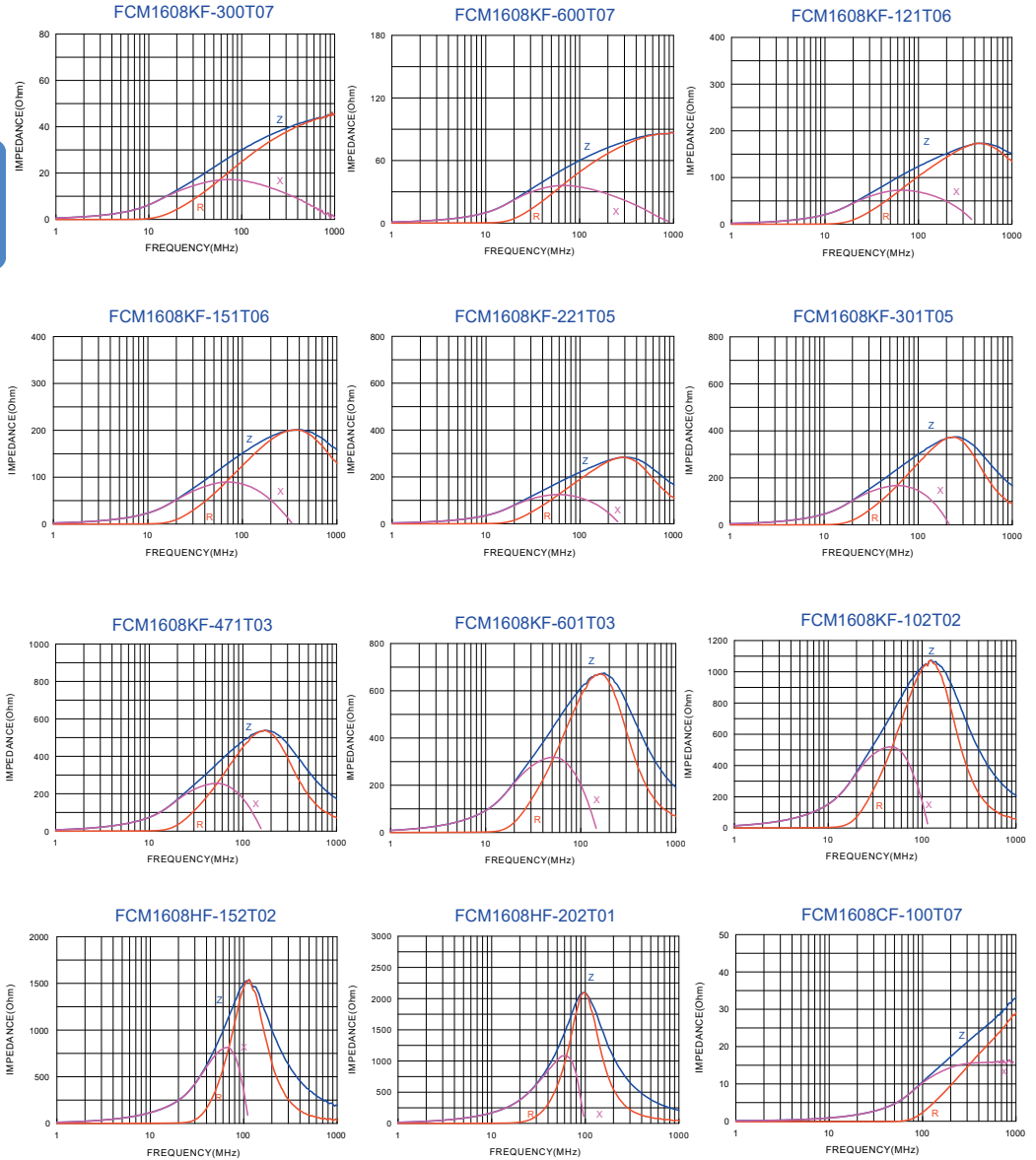
Units: mm

■ Specifications

Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCM1608KF-300T07	30±25%	100	0.20	700
FCM1608KF-600T07	60±25%	100	0.20	700
FCM1608KF-121T06	120±25%	100	0.25	600
FCM1608KF-151T06	150±25%	100	0.25	600
FCM1608KF-221T05	220±25%	100	0.30	550
FCM1608KF-301T05	300±25%	100	0.35	500
FCM1608KF-471T03	470±25%	100	0.45	350
FCM1608KF-601T03	600±25%	100	0.50	350
FCM1608KF-102T02	1000±25%	100	0.70	200
FCM1608HF-152T02	1500±25%	100	1.00	200
FCM1608HF-202T01	2000±25%	100	1.20	150
FCM1608CF-100T07	10±25%	100	0.20	700
FCM1608CF-300T06	30±25%	100	0.25	600
FCM1608CF-600T06	60±25%	100	0.30	600
FCM1608CF-121T03	120±25%	100	0.40	300
FCM1608CF-151T03	150±25%	100	0.40	300
FCM1608CF-221T02	220±25%	100	0.60	250
FCM1608CF-301T02	300±25%	100	0.80	200
FCM1608CF-471T02	470±25%	100	0.85	200
FCM1608CF-601T01	600±25%	100	1.20	150



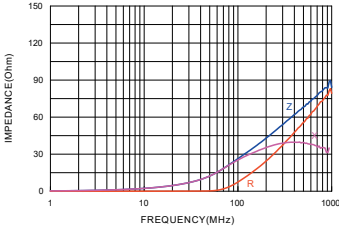
■ Impedance-Frequency Characteristics (Typical)



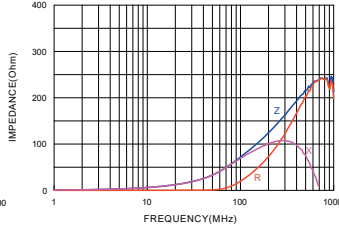


■ Impedance-Frequency Characteristics (Typical)

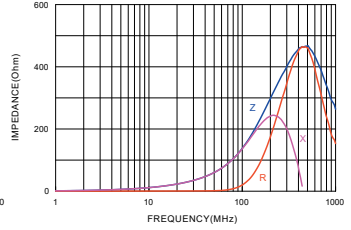
FCM1608CF-300T06



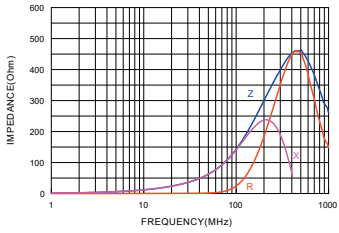
FCM1608CF-600T06



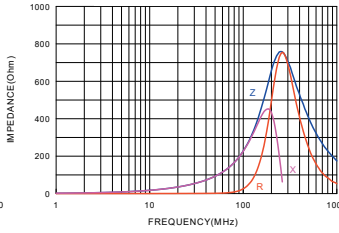
FCM1608CF-121T03



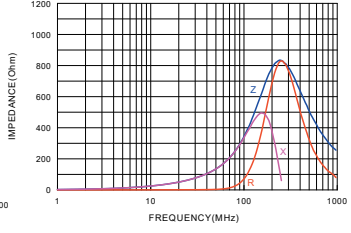
FCM1608CF-151T03



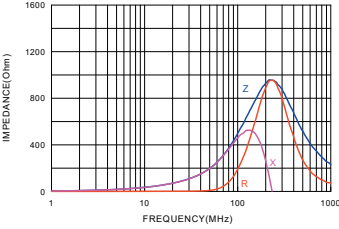
FCM1608CF-221T02



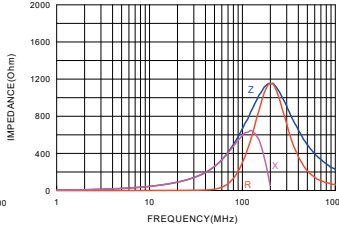
FCM1608CF-301T02



FCM1608CF-471T02

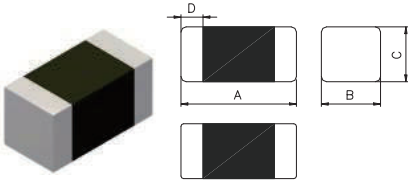


FCM1608CF-601T01





■ Dimensions



Dimensions	
A	2.00±0.20
B	1.25±0.20
C	0.85±0.20
D	0.50±0.30

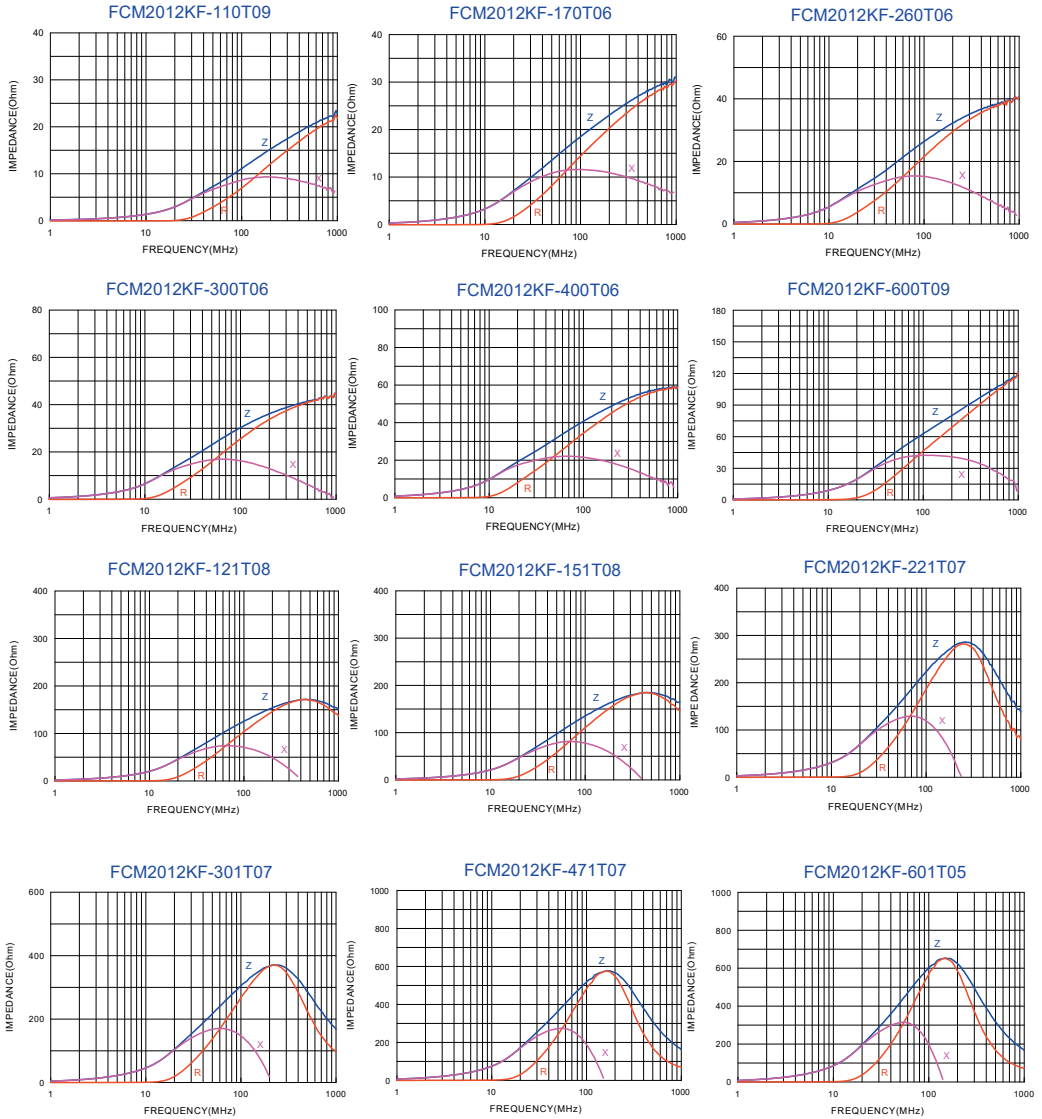
Units: mm

■ Specifications

Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCM2012KF-110T09	11±25%	100	0.10	900
FCM2012KF-170T06	17±25%	100	0.10	600
FCM2012KF-260T06	26±25%	100	0.10	600
FCM2012KF-300T06	30±25%	100	0.10	600
FCM2012KF-400T06	40±25%	100	0.10	600
FCM2012KF-600T09	60±25%	100	0.10	900
FCM2012KF-121T08	120±25%	100	0.20	800
FCM2012KF-151T08	150±25%	100	0.20	800
FCM2012KF-221T07	220±25%	100	0.30	750
FCM2012KF-301T07	300±25%	100	0.30	700
FCM2012KF-471T07	470±25%	100	0.35	700
FCM2012KF-601T05	600±25%	100	0.40	500
FCM2012KF-102T04	1000±25%	100	0.45	400
FCM2012HF-102T04	1000±25%	100	0.45	400
FCM2012HF-152T03	1500±25%	100	0.50	350
FCM2012HF-202T02	2000±25%	100	0.60	250
FCM2012NF-070T06	7±25%	100	0.10	600
FCM2012CF-121T06	120±25%	100	0.25	600
FCM2012CF-221T04	220±25%	100	0.30	400
FCM2012CF-301T04	300±25%	100	0.35	400

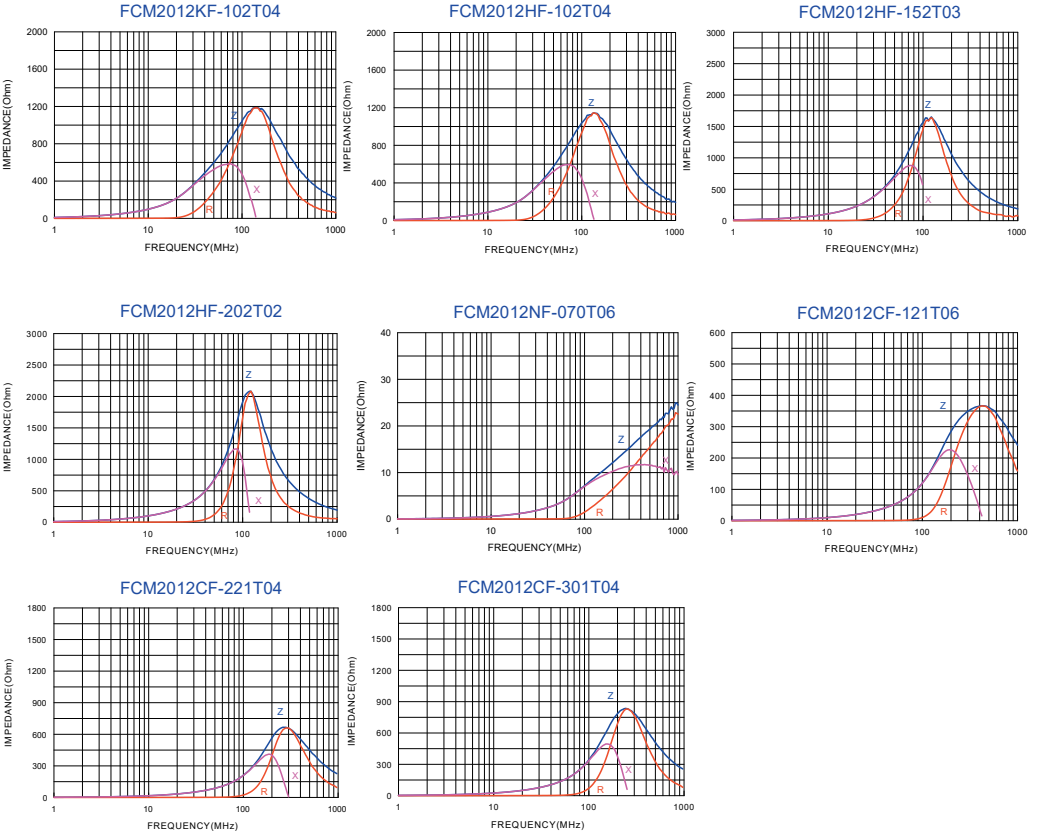


■ Impedance-Frequency Characteristics (Typical)

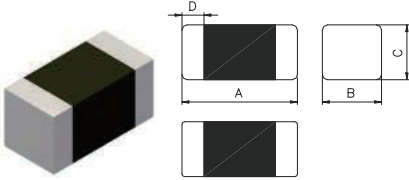




■ Impedance-Frequency Characteristics (Typical)



■ Dimensions



Dimensions	
A	3.20±0.20
B	1.60±0.20
C	1.10±0.20
D	0.50±0.30

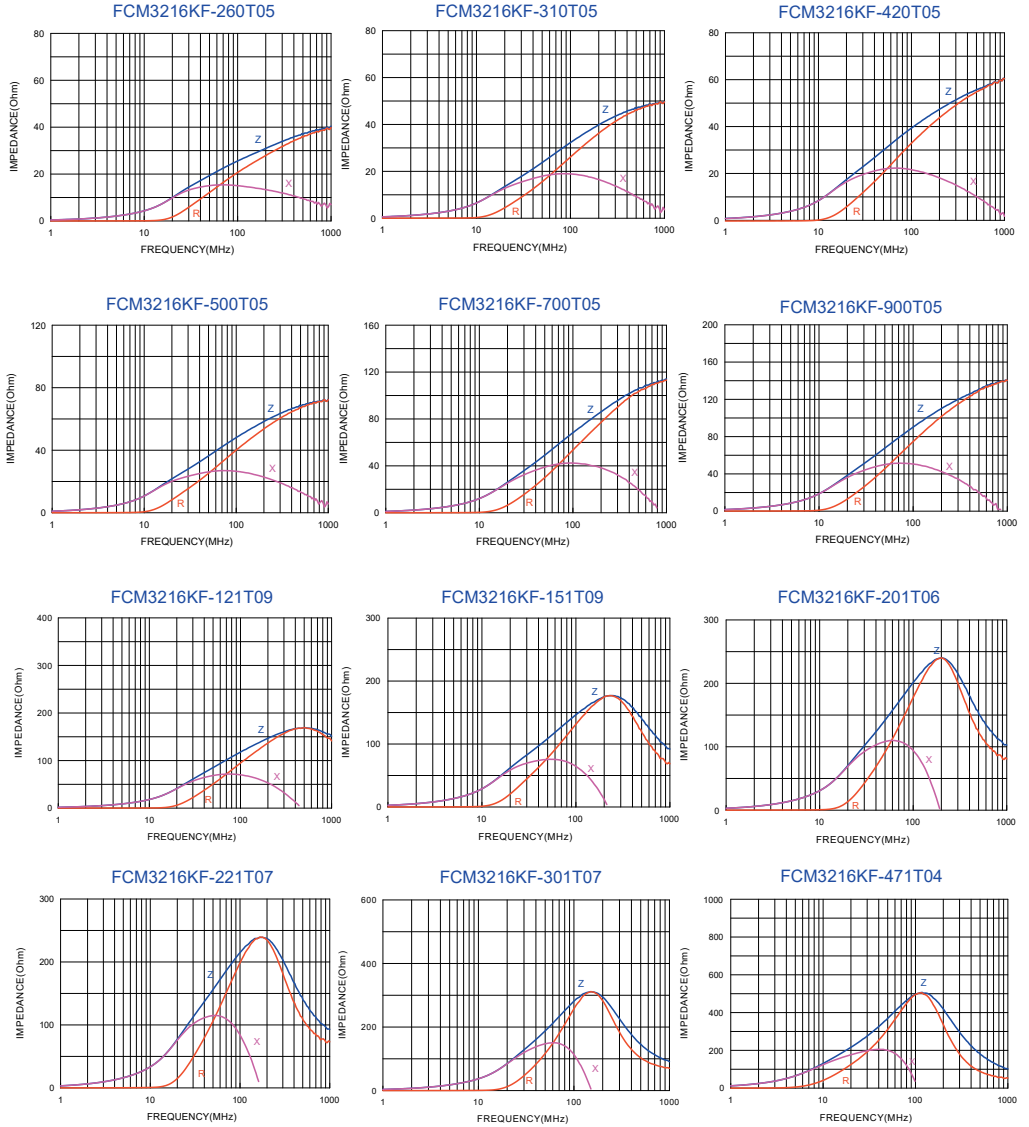
Units: mm

■ Specifications

Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCM3216KF-260T05	26±25%	100	0.20	500
FCM3216KF-310T05	31±25%	100	0.20	500
FCM3216KF-420T05	42±25%	100	0.20	500
FCM3216KF-500T05	50±25%	100	0.20	500
FCM3216KF-700T05	70±25%	100	0.20	500
FCM3216KF-900T05	90±25%	100	0.20	500
FCM3216KF-121T09	120±25%	100	0.15	900
FCM3216KF-151T09	150±25%	100	0.15	900
FCM3216KF-201T06	200±25%	100	0.35	600
FCM3216KF-221T07	220±25%	100	0.35	700
FCM3216KF-301T07	300±25%	100	0.35	700
FCM3216KF-471T04	470±25%	100	0.35	400
FCM3216KF-601T04	600±25%	100	0.40	400

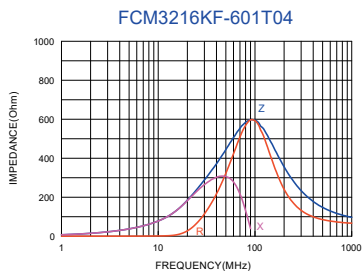


■ Impedance-Frequency Characteristics (Typical)



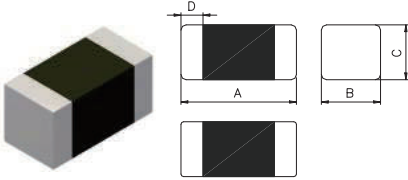


■ Impedance-Frequency Characteristics (Typical)





■ Dimensions



Dimensions	
A	1.00±0.10
B	0.50±0.10
C	0.50±0.10
D	0.25±0.10

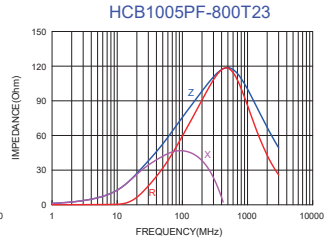
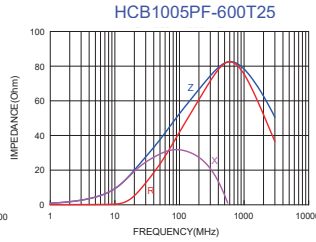
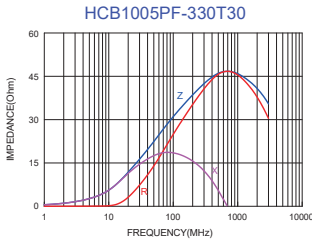
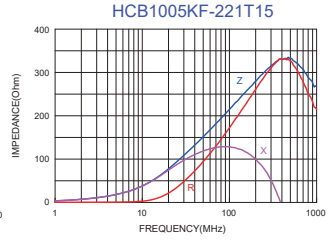
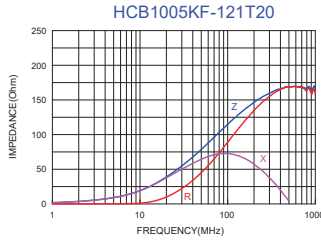
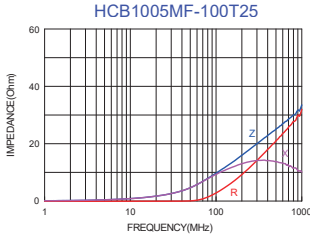
Units: mm

■ Specifications

Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HCB1005MF-100T25	10±25%	100	0.050	2500
HCB1005KF-121T20	120±25%	100	0.095	2000
HCB1005KF-221T15	220±25%	100	0.150	1500
HCB1005PF-330T30	33±25%	100	0.022	3000
HCB1005PF-600T25	60±25%	100	0.032	2500
HCB1005PF-800T23	80±25%	100	0.038	2300



■ Impedance-Frequency Characteristics (Typical)





■ Dimensions

Dimensions		
A	1.60±0.15	
B	0.80±0.15	
C	0.80±0.15	0.60±0.15
D	0.30±0.20	

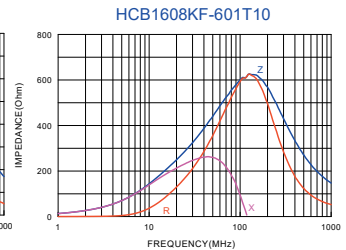
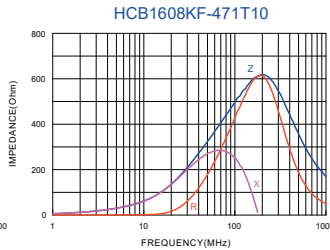
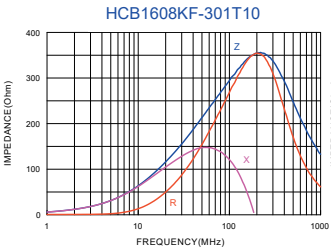
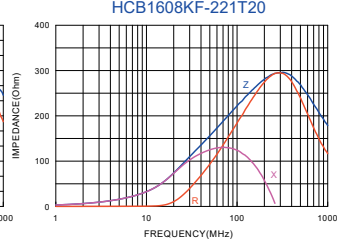
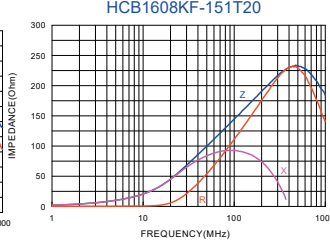
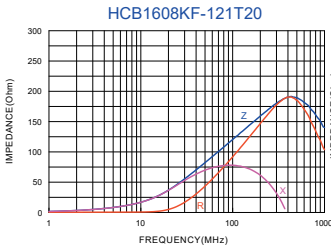
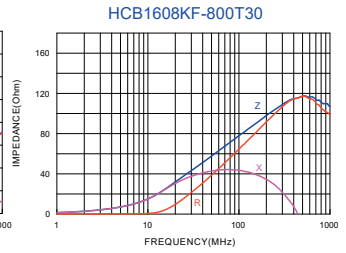
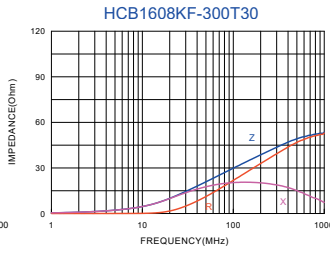
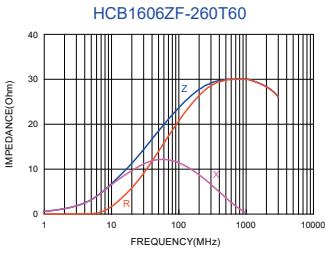
Units: mm

■ Specifications

Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Height (mm) max.
HCB1606ZF-260T60	26±25%	100	0.01	6000	0.75
HCB1608KF-300T30	30±25%	100	0.04	3000	0.95
HCB1608KF-800T30	80±25%	100	0.04	3000	0.95
HCB1608KF-121T20	120±25%	100	0.10	2000	0.95
HCB1608KF-151T20	150±25%	100	0.10	2000	0.95
HCB1608KF-221T20	220±25%	100	0.10	2000	0.95
HCB1608KF-301T10	300±25%	100	0.20	1000	0.95
HCB1608KF-471T10	470±25%	100	0.20	1000	0.95
HCB1608KF-601T10	600±25%	100	0.20	1000	0.95



■ Impedance-Frequency Characteristics (Typical)





■ Dimensions

Dimensions	
A	2.00±0.20
B	1.25±0.20
C	0.85±0.20
D	0.50±0.30

Units: mm

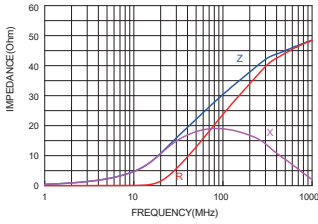
■ Specifications

Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HCB2012KF-300T30	30±25%	100	0.04	3000
HCB2012KF-800T30	80±25%	100	0.04	3000
HCB2012KF-121T20	120±25%	100	0.10	2000
HCB2012KF-151T20	150±25%	100	0.10	2000
HCB2012KF-221T20	220±25%	100	0.10	2000
HCB2012KF-301T10	300±25%	100	0.20	1000
HCB2012KF-471T10	470±25%	100	0.20	1000
HCB2012KF-601T10	600±25%	100	0.20	1000

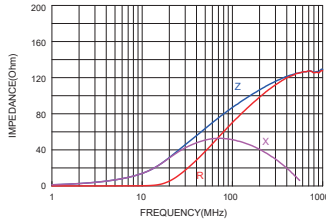


■ Impedance-Frequency Characteristics (Typical)

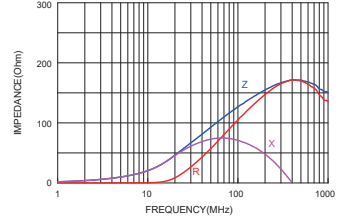
HCB2012KF-300T30



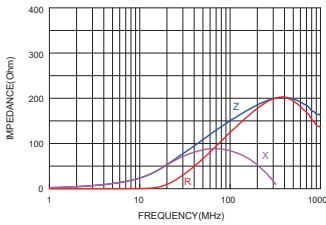
HCB2012KF-800T30



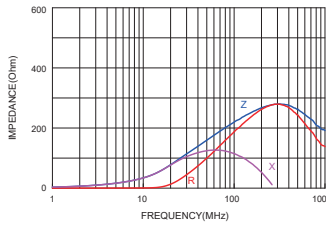
HCB2012KF-121T20



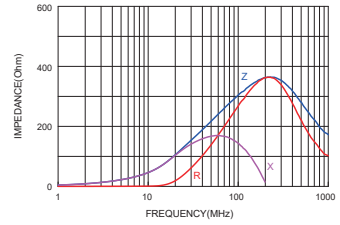
HCB2012KF-151T20



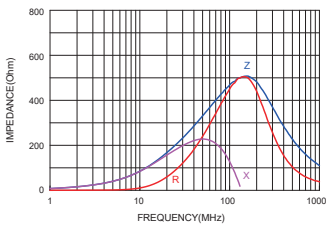
HCB2012KF-221T20



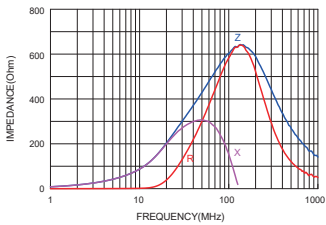
HCB2012KF-301T10



HCB2012KF-471T10

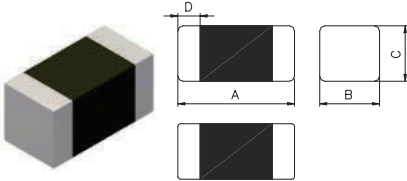


HCB2012KF-601T10





■ Dimensions



Dimensions	
A	3.20±0.20
B	1.60±0.20
C	1.10±0.20
D	0.50±0.30

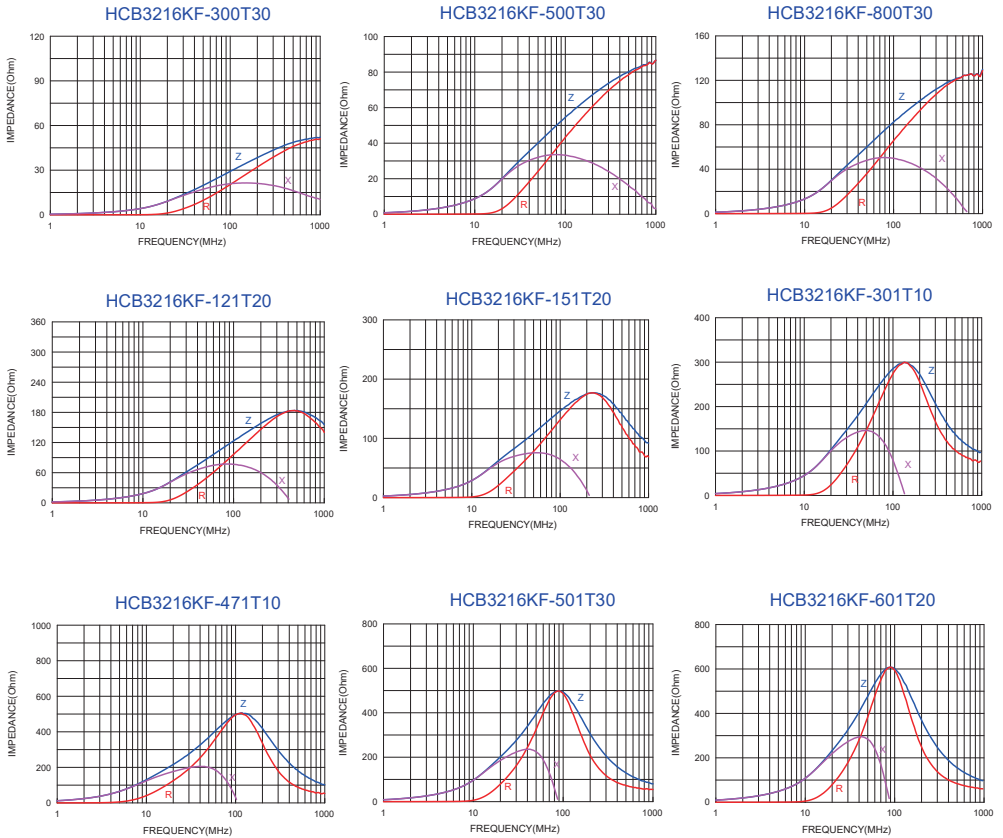
Units: mm

■ Specifications

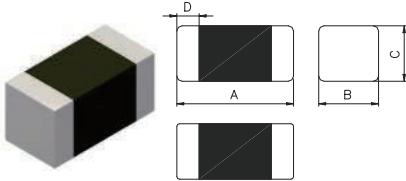
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HCB3216KF-300T30	30±25%	100	0.04	3000
HCB3216KF-500T30	50±25%	100	0.04	3000
HCB3216KF-800T30	80±25%	100	0.04	3000
HCB3216KF-121T20	120±25%	100	0.10	2000
HCB3216KF-151T20	150±25%	100	0.10	2000
HCB3216KF-301T10	300±25%	100	0.20	1000
HCB3216KF-471T10	470±25%	100	0.20	1000
HCB3216KF-501T30	500±25%	100	0.04	3000
HCB3216KF-601T20	600±25%	100	0.10	2000



■ Impedance-Frequency Characteristics (Typical)



■ Dimensions



Dimensions	
A	4.50±0.20
B	1.60±0.20
C	1.60±0.20
D	0.50±0.30

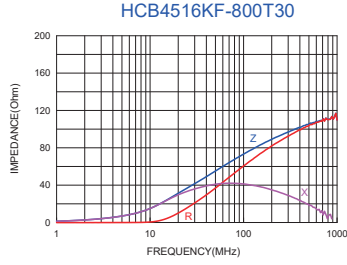
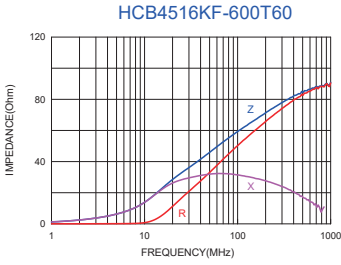
Units: mm

■ Specifications

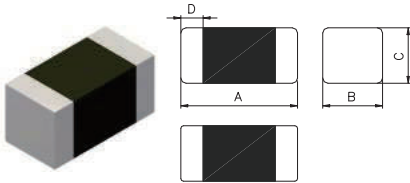
Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HCB4516KF-600T60	60±25%	100	0.01	6000
HCB4516KF-800T30	80±25%	100	0.04	3000



■ Impedance-Frequency Characteristics (Typical)



■ Dimensions



Dimensions	
A	4.50±0.20
B	3.20±0.20
C	1.50±0.20
D	0.50±0.30

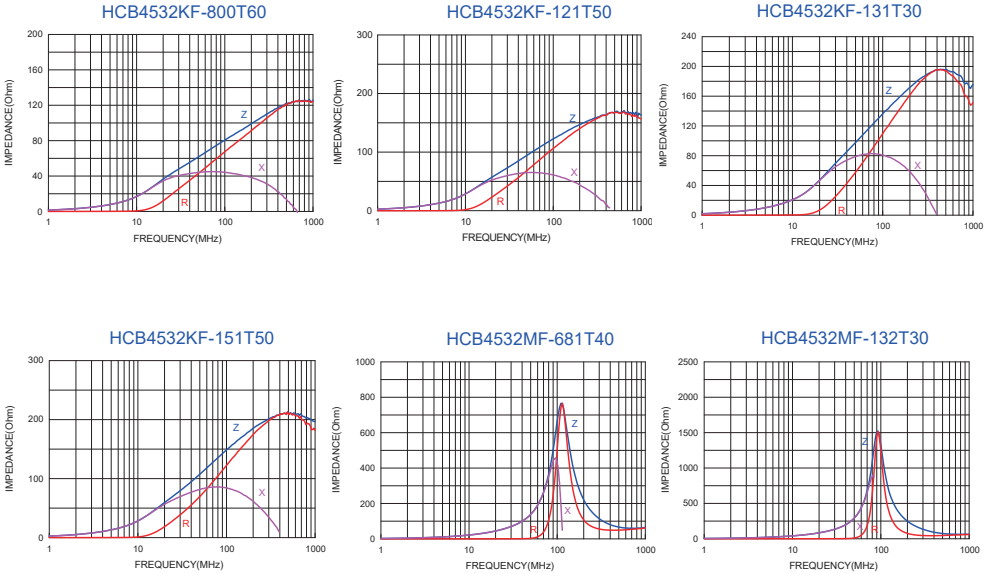
Units: mm

■ Specifications

Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
HCB4532KF-800T60	80±25%	100	0.01	6000
HCB4532KF-121T50	120±25%	100	0.02	5000
HCB4532KF-131T30	130±25%	100	0.04	3000
HCB4532KF-151T50	150±25%	100	0.02	5000
HCB4532MF-681T40	680±25%	100	0.03	4000
HCB4532MF-132T30	1300±25%	100	0.06	3000

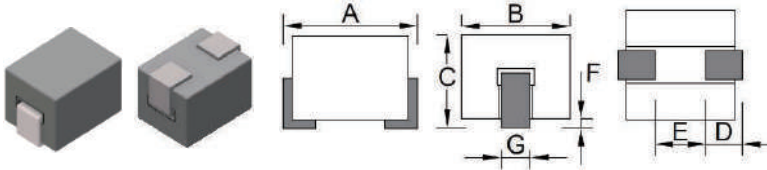


■ Impedance-Frequency Characteristics (Typical)





■ Dimensions



BPH322521W5 Dimensions						
A	B	C	D	E	F	G
3.10±0.15	2.50±0.15	2.15±0.15	0.85±0.20	1.20±0.20	0.00~0.10	0.70±0.10

Units: mm

BPH323023W5 Dimensions						
A	B	C	D	E	F	G
3.08 +0.10/-0.15	2.90 ±0.10	2.20 ±0.10	0.80 ±0.20	1.2 Min.	0.00~0.11	0.85 ±0.10

Units: mm

■ Specifications

Part Number	Impedance ohm at 25 MHz	Impedance ohm at 100 MHz	DC Resistance (mΩ)max	Rated Current(A)	
				ΔT= 40°C TYP	ΔT= 60°C TYP
BPH 322521W5-350T	25±25%	35±25%	0.6	21.0	-
BPH 323023W5-400T	23±25%	40±25%	0.6	21.0(1) 15.0(2)	26.0(1) 18.0(2)

Note:

Rated Current:

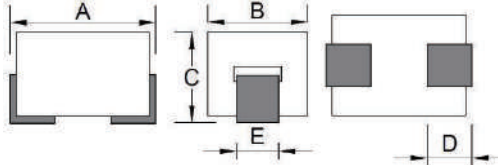
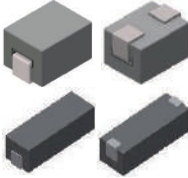
(1) : Chroma high current test fixture.

(2) : PCB test fixture (30x45mm copper pattern , 50um copper thickness).

BPH 4030 8530 Series (1612, 3412 inch -40~ +125 C)



■ Dimensions



BPH403025 Dimensions				
A	B	C	D	E
4.30~5.10	3.10 ±0.15	2.70~3.1	1.35±0.20	1.35±0.15

Units: mm

BPH853025 Dimensions				
A	B	C	D	E
9.00 ±0.40	3.00 ±0.15	2.80 ±0.25	1.50±0.50	1.25±0.20

Units: mm

■ Specifications

Part Number	Impedance ohm at 1 MHz	Impedance ohm at 10 MHz	DC Resistance (mΩ)max	Rated Current(A)	
				ΔT= 40°C TYP	ΔT= 60°C TYP
BPH 403025MN5-470TP	20±25%	47±25%	0.75	24.0(1) 10.0(2)	28.0(1) 13.0(2)

Part Number	Impedance ohm at 25 MHz	Impedance ohm at 100 MHz	DC Resistance (mΩ)max	Rated Current(A)	
				ΔT= 40°C TYP	ΔT= 60°C TYP
BPH 403025R5-530T	35±25%	53±25%	0.6	35.0(1) 15.0(2)	45.0(1) 18.0(2)
BPH 853025R5-101T	65±25%	100±25%	1.0	30.0(1) 13.0(2)	40.0(1) 18.0(2)
BPH 853025F8E-101T	65±25%	100±25%	1.0	30.0(1) 13.0(2)	40.0(1) 18.0(2)

Note:

Rated Current:

(1) : Chroma high current test fixture.

(2) : PCB test fixture (30x45mm copper pattern , 50um copper thickness).

■ Dimensions

Dimensions	
A	3.20±0.20
B	1.60±0.20
C	0.90±0.20
D1	0.40±0.15
D2	0.30±0.10
P	0.80±0.10

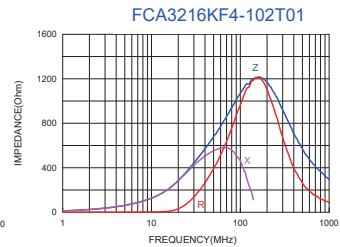
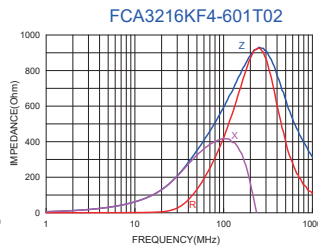
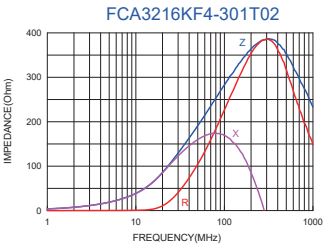
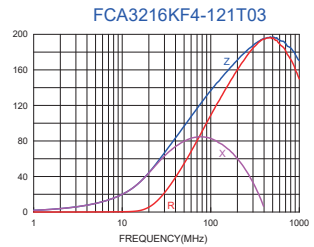
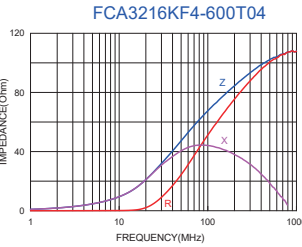
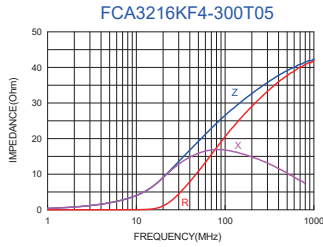
Units: mm

■ Specifications

Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
FCA3216KF4-300T05	30±25%	100	0.20	500
FCA3216KF4-600T04	60±25%	100	0.25	400
FCA3216KF4-121T03	120±25%	100	0.30	350
FCA3216KF4-301T02	300±25%	100	0.40	250
FCA3216KF4-601T02	600±25%	100	0.50	200
FCA3216KF4-102T01	1000±25%	100	0.75	150


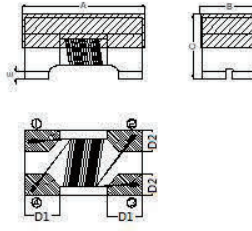


■ Impedance-Frequency Characteristics (Typical)





■ Dimensions

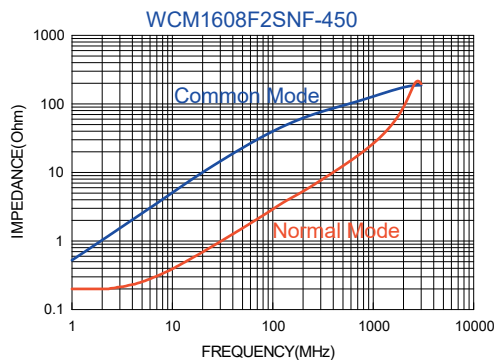
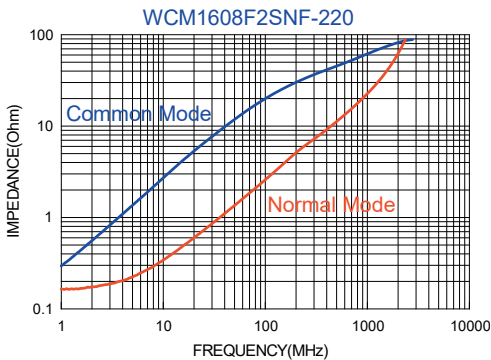
Dimensions	
A	1.60±0.15
B	0.85±0.15
C	1.10±0.15
D1	0.30Typ
D2	0.30Typ
E	0.03 min

Units: mm

■ Specifications

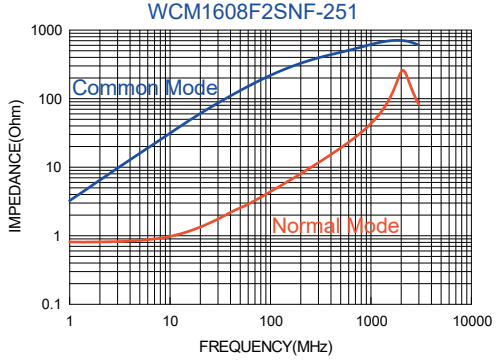
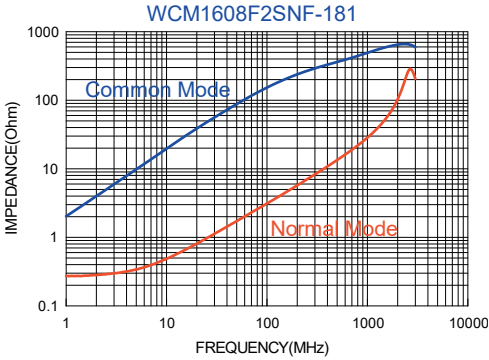
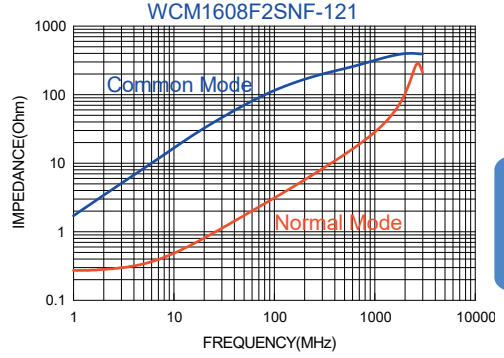
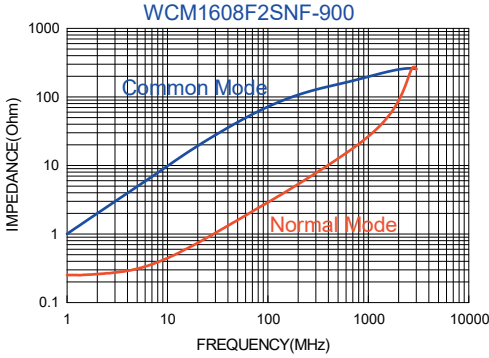
Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
WCM1608F2SNF-220T05	22±25%	100	0.080	500	50	125	10M
WCM1608F2SNF-450T05	45±25%	100	0.110	500	50	125	10M
WCM1608F2SNF-900T05	90±25%	100	0.145	550	50	125	10M
WCM1608F2SNF-121T04	120±25%	100	0.175	450	50	125	10M
WCM1608F2SNF-181T05	180±25%	100	0.210	500	50	125	10M
WCM1608F2SNF-251T04	250±25%	100	0.280	400	50	125	10M

■ Impedance-Frequency Characteristics (Typical)



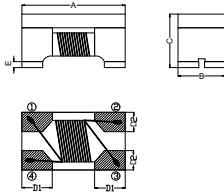
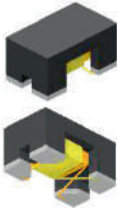


■ Impedance-Frequency Characteristics (Typical)





■ Dimensions



Dimensions	
A	2.00±0.20
B	1.20±0.20
C	1.20±0.20
D1	0.50±0.10
D2	0.51±0.10
E	0.15±0.10

Units: mm

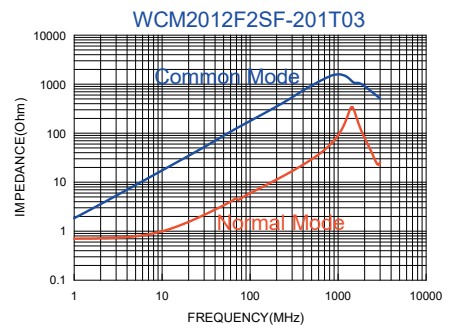
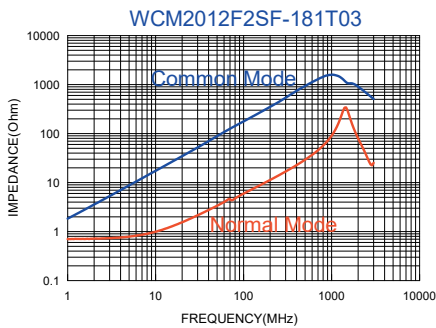
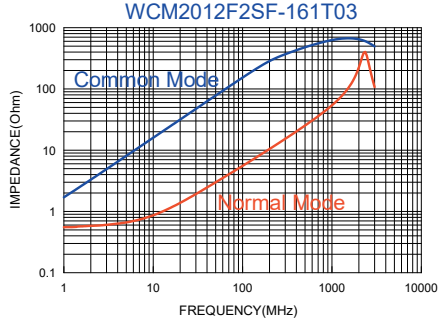
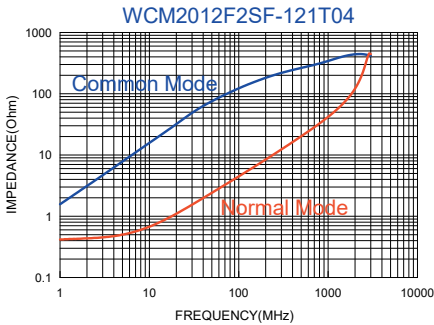
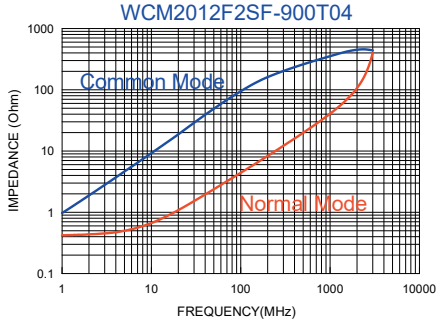
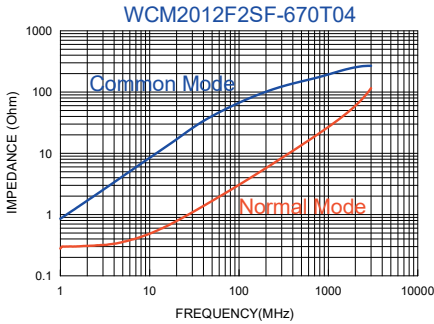
■ Specifications

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc) max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
WCM2012F2SF-670T04	67±25%	100	0.25	400	50	125	10M
WCM2012F2SF-900T04	90±25%	100	0.30	400	50	125	10M
WCM2012F2SF-121T04	120±25%	100	0.30	400	50	125	10M
WCM2012F2SF-161T03	160±25%	100	0.35	350	50	125	10M
WCM2012F2SF-181T03	180±25%	100	0.35	350	50	125	10M
WCM2012F2SF-201T03	200±25%	100	0.40	300	50	125	10M
WCM2012F2SF-221T03	220±25%	100	0.40	300	50	125	10M
WCM2012F2SF-261T03	260±25%	100	0.40	300	50	125	10M
WCM2012F2SF-361T03	360±25%	100	0.50	300	50	125	10M
WCM2012F2SF-601T03	600±25%	100	0.88	300	50	125	10M
WCM2012F2SF-102T01	1000±25%	100	1.30	100	50	125	10M

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc) max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
WCM2012F2SF-801-N	800±25%	100	0.88	300	50	125	10M

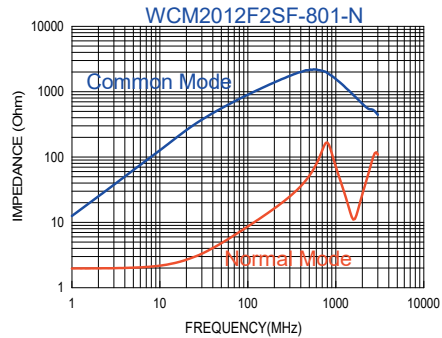
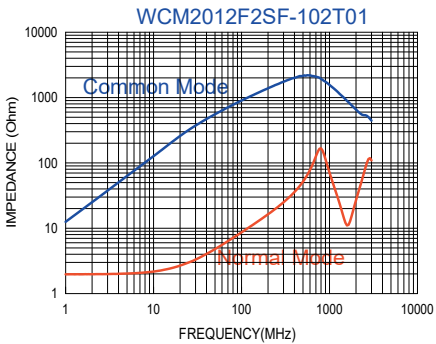
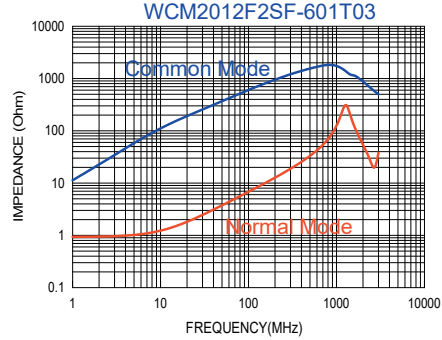
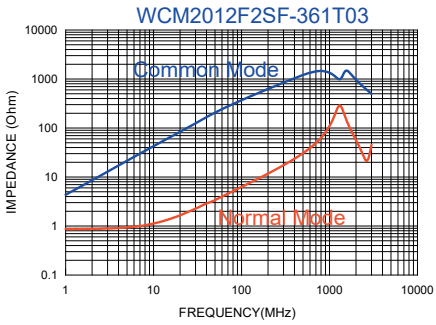
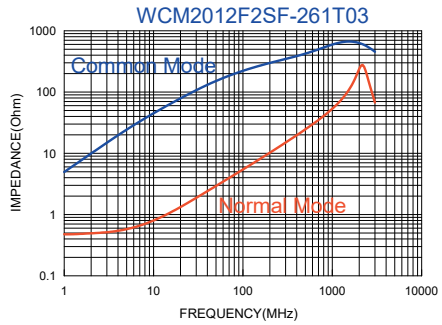
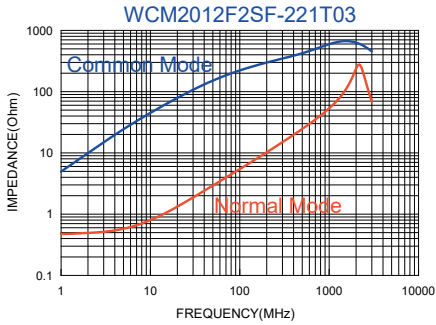


■ Impedance-Frequency Characteristics (Typical)





■ Impedance-Frequency Characteristics (Typical)





■ Dimensions

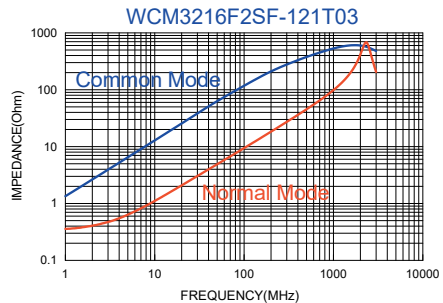
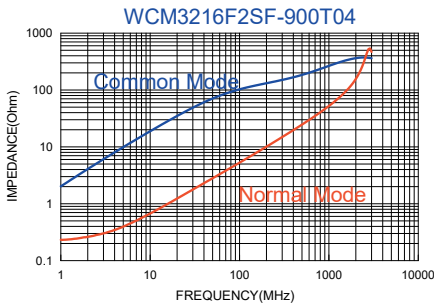
Dimensions	
A	3.20±0.20
B	1.60±0.20
C	2.00±0.20
D1	0.50±0.10
D2	0.50±0.10
E	0.15±0.10

Units: mm

■ Specifications

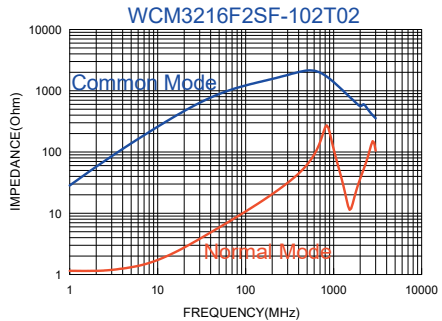
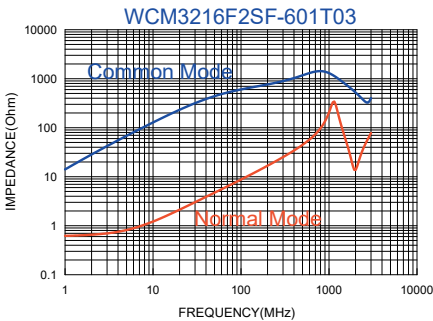
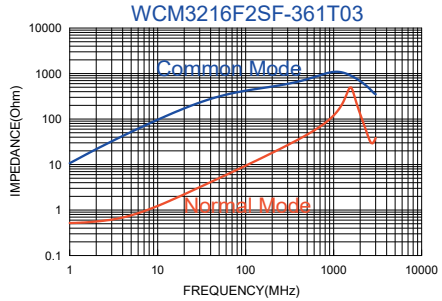
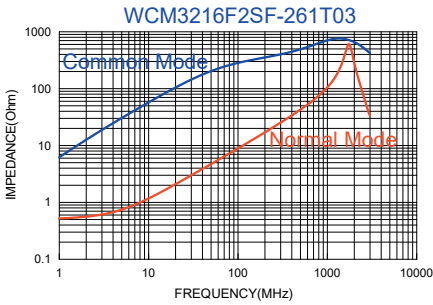
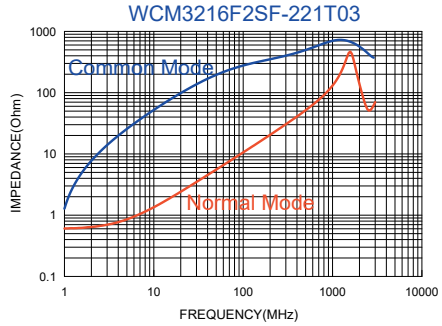
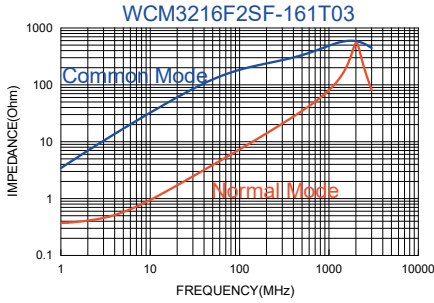
Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
WCM3216F2SF-900T04	90±25%	100	0.30	400	50	125	10M
WCM3216F2SF-121T03	120±25%	100	0.30	350	50	125	10M
WCM3216F2SF-161T03	160±25%	100	0.40	350	50	125	10M
WCM3216F2SF-221T03	220±25%	100	0.45	300	50	125	10M
WCM3216F2SF-261T03	260±25%	100	0.50	300	50	125	10M
WCM3216F2SF-361T03	360±25%	100	0.60	300	50	125	10M
WCM3216F2SF-601T03	600±25%	100	0.80	300	50	125	10M
WCM3216F2SF-102T02	1000±25%	100	1.00	200	50	125	10M
WCM3216F2SF-222T02	2200±25%	100	1.20	200	50	125	10M

■ Impedance-Frequency Characteristics (Typical)



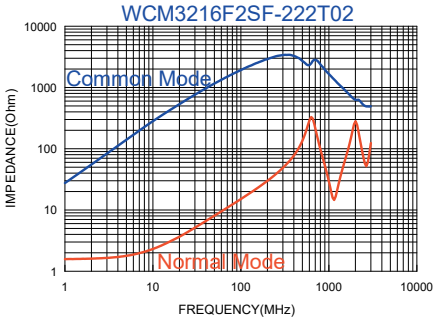


■ Impedance-Frequency Characteristics (Typical)





■ Impedance-Frequency Characteristics (Typical)





■ Dimensions

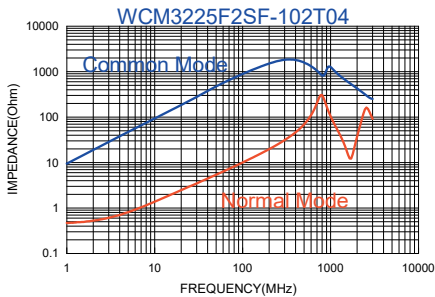
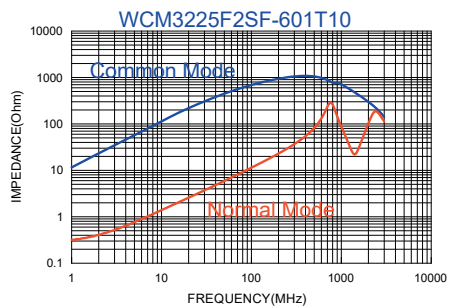
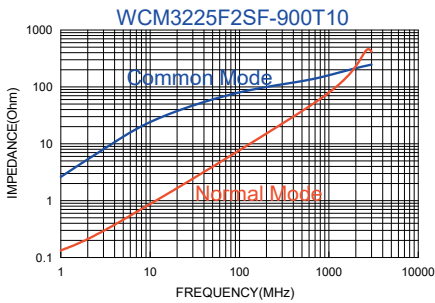
Dimensions	
A	3.20±0.20
B	2.50±0.20
C	2.20±0.20
D1	0.80±0.10
D2	0.90±0.10
E	0.15±0.10

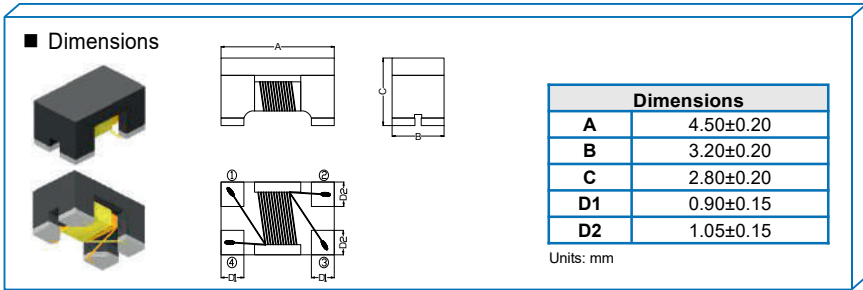
Units: mm

■ Specifications

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
WCM3225F2SF-900T10	90±25%	100	0.05	1000	50	125	10M
WCM3225F2SF-601T10	600±25%	100	0.20	1000	50	125	10M
WCM3225F2SF-102T04	1000±25%	100	0.30	400	50	125	10M

■ Impedance-Frequency Characteristics (Typical)





■ Specifications

Part Number	Common mode Impedance (Ω)		Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc) max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
	min.	typ.						
WCM4532F2SF-900T40-HI	68	90	100	0.050	4000	50	125	10M
WCM4532F2SF-231T35-HI	173	230	100	0.050	3500	50	125	10M
WCM4532F2SF-421T32-HI	300	420	100	0.055	3200	50	125	10M
WCM4532F2SF-601T25-HI	450	600	100	0.060	2500	50	125	10M
WCM4532F2SF-901T23-HI	650	900	100	0.070	2300	50	125	10M
WCM4532F2SF-142T20-HI	1000	1400	100	0.100	2000	50	125	10M
WCM4532F2SF-282T09-HI	2100	2800	100	0.350	900	50	125	10M

Note:

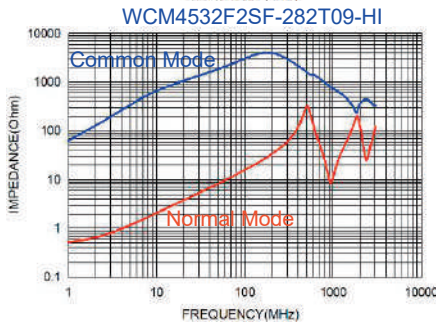
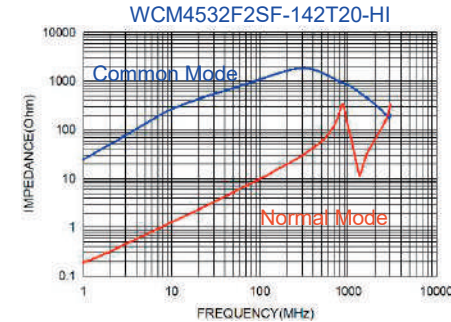
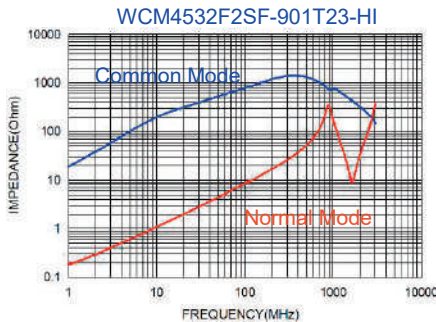
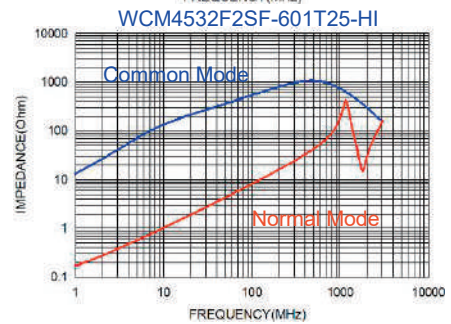
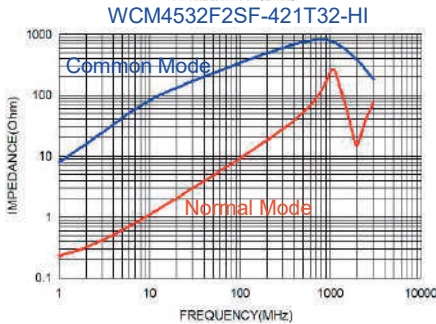
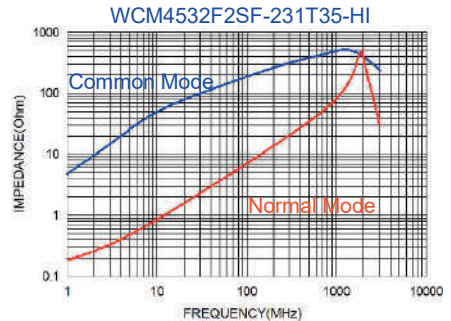
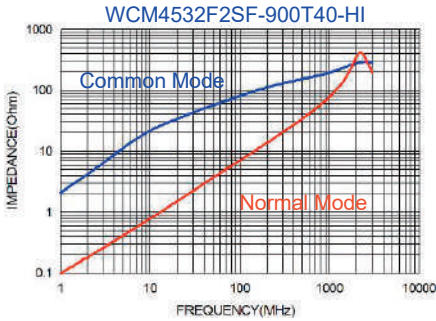
When current is applied, the temperature of the part should not exceed 125°C

WCM 4532 Series-HI

(1812 inch -40~+125°C)



■ Impedance-Frequency Characteristics (Typical)





■ Dimensions

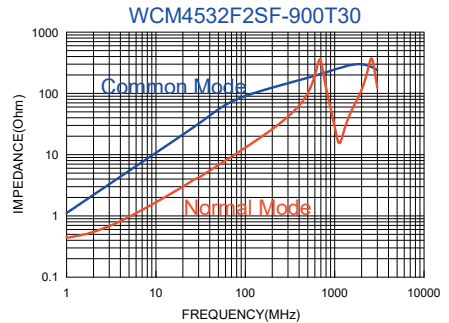
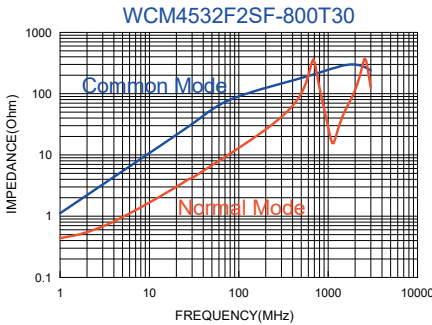
Dimensions	
A	4.50±0.20
B	3.20±0.20
C	2.80±0.20
D1	1.00±0.10
D2	1.20±0.10

Units: mm

■ Specifications

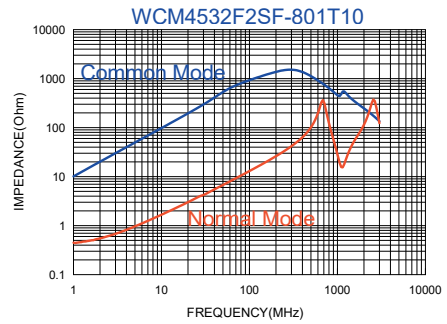
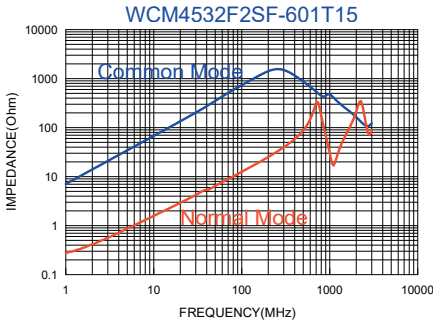
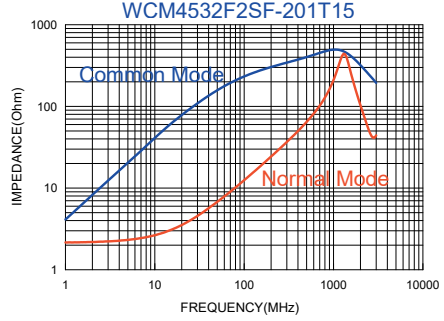
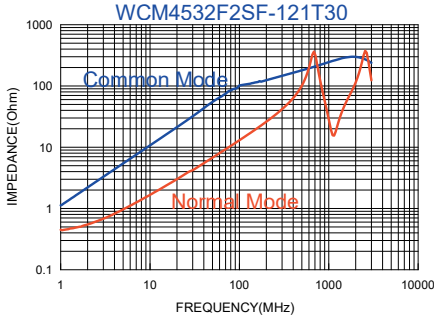
Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
WCM4532F2SF-800T30	80±25%	100	0.05	3000	50	125	10M
WCM4532F2SF-900T30	90±25%	100	0.05	3000	50	125	10M
WCM4532F2SF-121T30	120±25%	100	0.05	3000	50	125	10M
WCM4532F2SF-201T15	200±25%	100	0.10	1500	50	125	10M
WCM4532F2SF-601T15	600±25%	100	0.24	1500	50	125	10M
WCM4532F2SF-801T10	800±25%	100	0.24	1000	50	125	10M

■ Impedance-Frequency Characteristics (Typical)





■ Impedance-Frequency Characteristics (Typical)

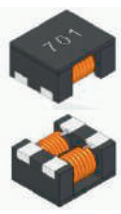
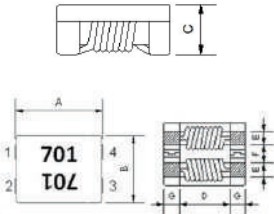


WCM 7060 Series

(2824 inch -40~+125 C)



■ Dimensions

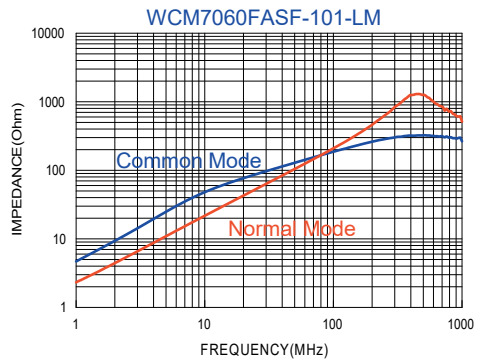
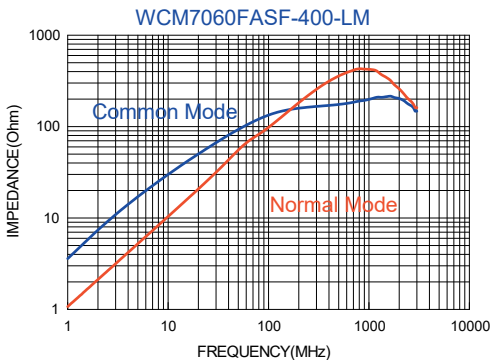
Dimensions	
A	7.00±0.50
B	6.00±0.50
C	3.80 max.
D	3.50 typ.
E	1.50±0.50
F	1.50±0.50
G	1.70±0.50

Units: mm

■ Specifications

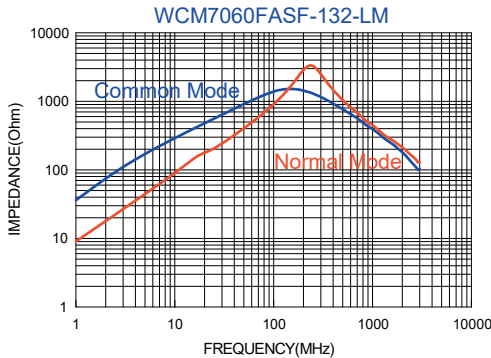
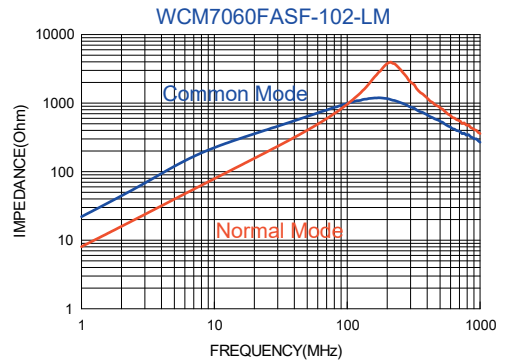
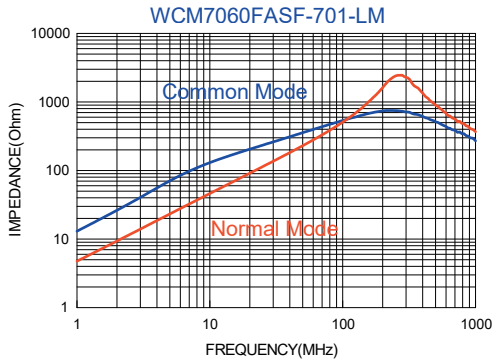
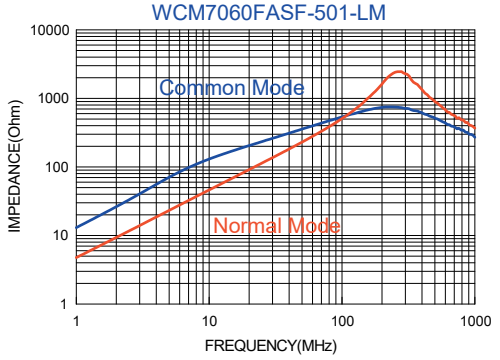
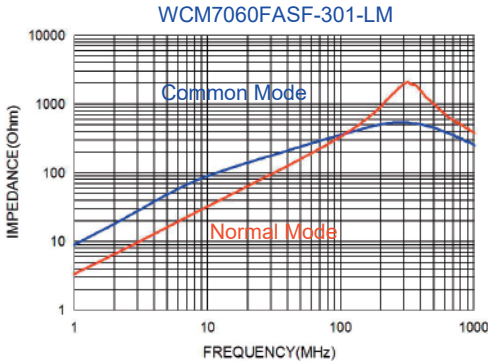
Part Number	Common mode Impedance (Ω)		Test Frequency (MHz)	DC Resistance (mΩ) max. (1 line)	Rated Current (A) max.	Rated Volt. (Vdc)max.	IR (mΩ) min.
	min	typ.					
WCM7060FASF-400-LM	40	70	100	5	15	80	10
WCM7060FASF-101-LM	100	140	100	10	9	80	10
WCM7060FASF-301-LM	225	300	100	10	5	80	10
WCM7060FASF-501-LM	400	500	100	10	5	80	10
WCM7060FASF-701-LM	500	700	100	15	4	80	10
WCM7060FASF-102-LM	800	1020	100	17	3	80	10
WCM7060FASF-132-LM	910	1300	100	20	3	80	10

■ Impedance-Frequency Characteristics (Typical)



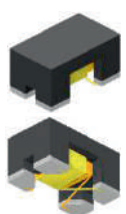
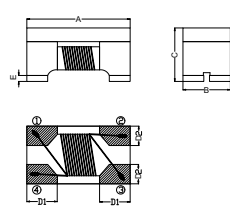


■ Impedance-Frequency Characteristics (Typical)





■ Dimensions

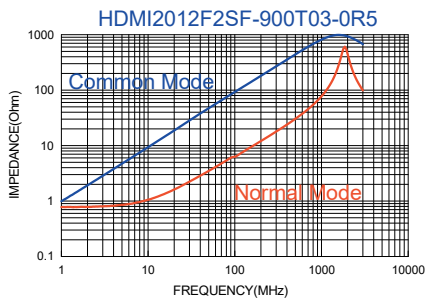
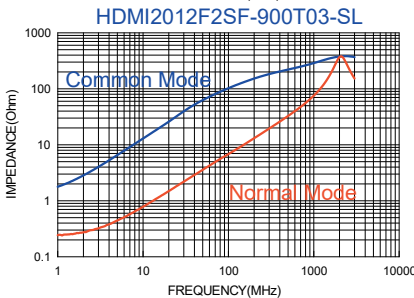
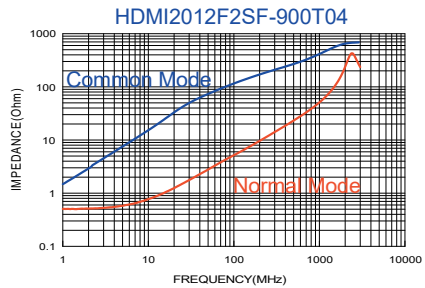
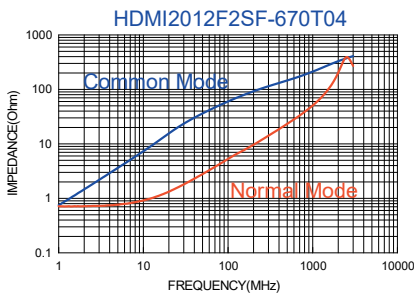
Dimensions	
A	2.00±0.20
B	1.20±0.20
C	1.20±0.20
D1	0.50±0.10
D2	0.51±0.10
E	0.15±0.10

Units: mm

■ Specifications

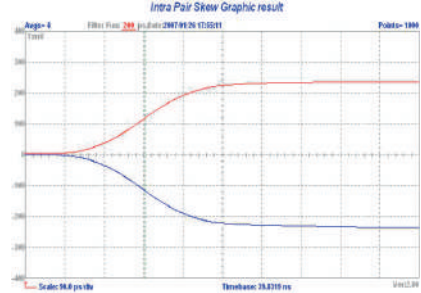
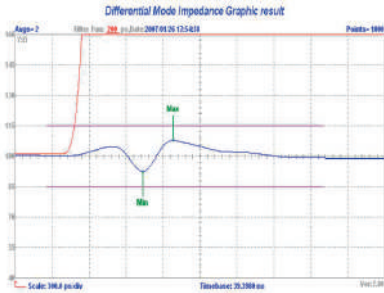
Part Number	Common mode Impedance (Ω)		Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
	67 typ	50 min						
HDMI2012F2SF-670T04	67 typ	50 min	100	0.30	400	50	125	10M
HDMI2012F2SF-900T04	90 typ	65 min	100	0.30	400	50	125	10M
HDMI2012F2SF-900T03-SL	90 ±25%		100	0.30	300	20	50	10M
HDMI2012F2SF-900T03-OR5	90±25%		100	0.50	300	50	125	10M

■ Impedance-Frequency Characteristics (Typical)

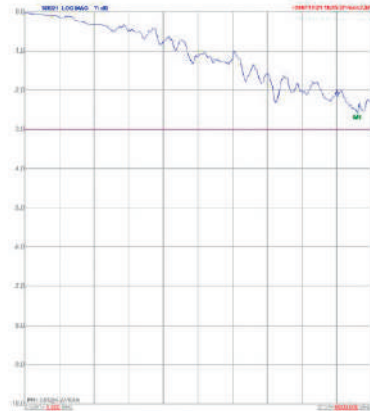
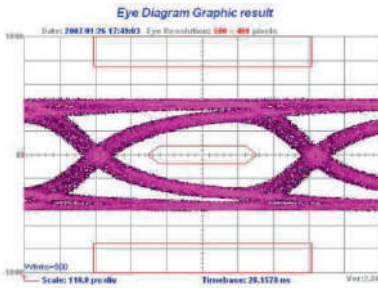




■ TDR Test and Intra Pair Skew Test -HDMI2012F2SF-900T04

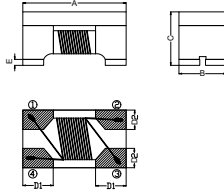
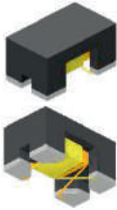


■ Eye Diagram Graphic Test and Insertion Loss Test -HDMI2012F2SF-900T04





■ Dimensions



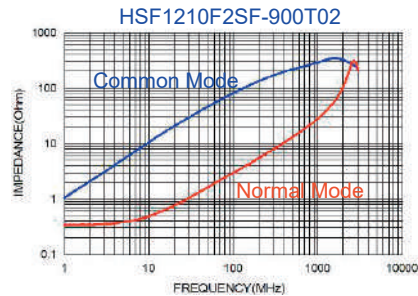
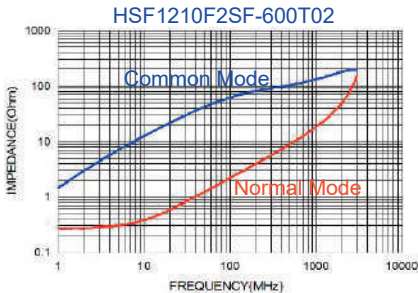
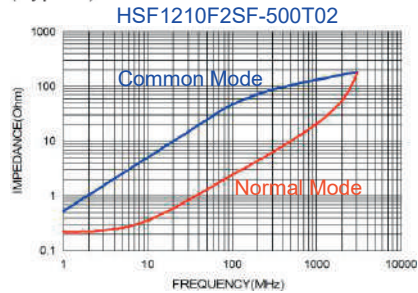
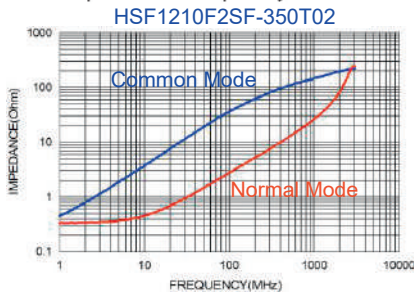
Dimensions	
A	1.20±0.20
B	1.00±0.20
C	0.90max
D1	0.35±0.10
D2	0.35±0.10
E	0.03min

Units: mm

■ Specifications

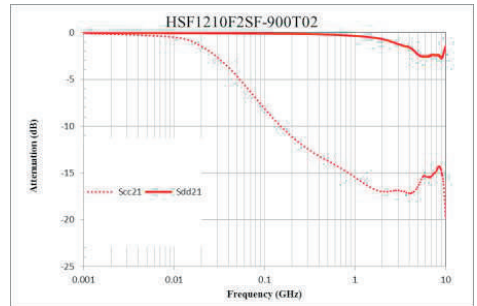
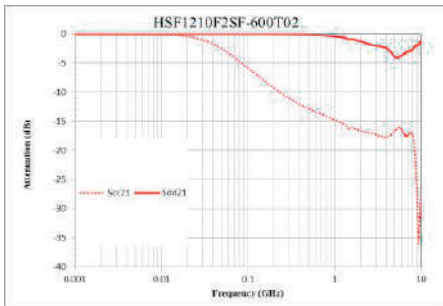
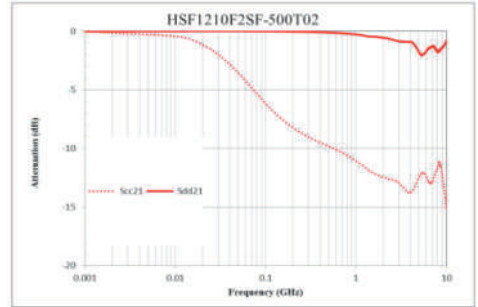
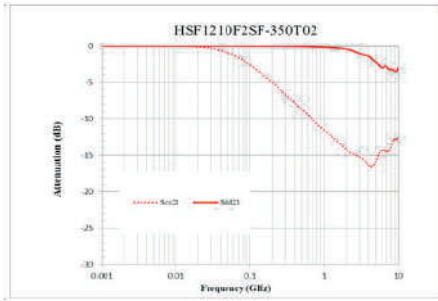
Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
HSF1210F2SF-350T02	35±25%	100	0.30	200	50	125	10M
HSF1210F2SF-500T02	50±25%	100	0.30	250	50	125	10M
HSF1210F2SF-600T02	60±25%	100	0.30	250	50	125	10M
HSF1210F2SF-900T02	90±25%	100	0.40	200	50	125	10M

■ Impedance-Frequency Characteristics (Typical)





■ Insertion Loss Test (Typical)





■ Dimensions

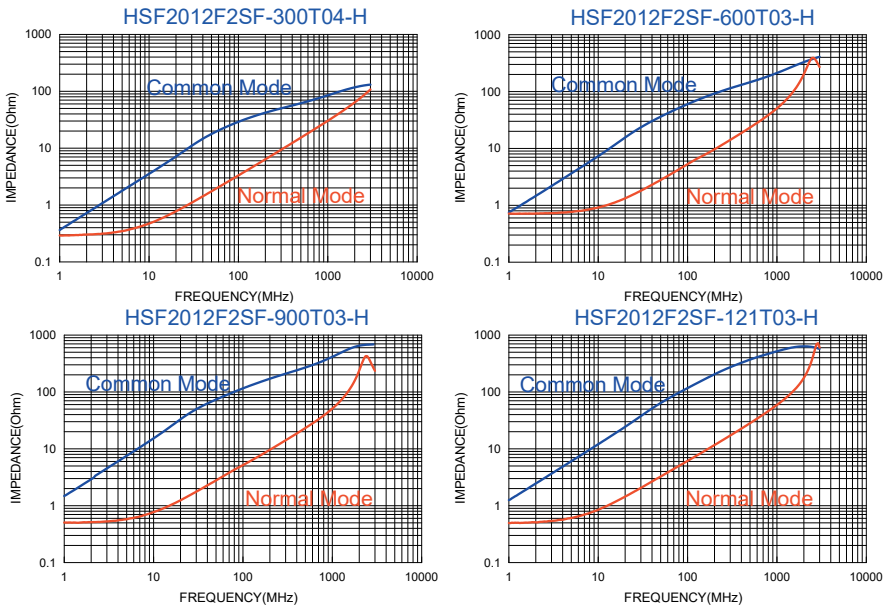
Dimensions	
A	2.00±0.20
B	1.20±0.20
C	1.20±0.20
D1	0.50±0.10
D2	0.51±0.10
E	0.15±0.10

Units: mm

■ Specifications

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
HSF2012F2SF-300T04-H	30±25%	100	0.20	400	50	125	10M
HSF2012F2SF-600T03-H	60±25%	100	0.30	300	50	125	10M
HSF2012F2SF-900T03-H	90±25%	100	0.30	300	50	125	10M
HSF2012F2SF-121T03-H	120±25%	100	0.35	330	50	125	10M

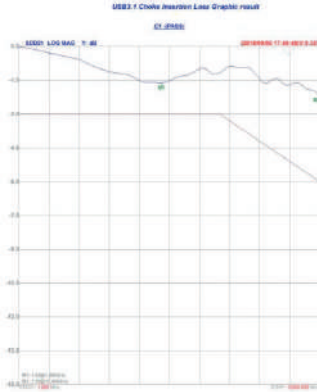
■ Impedance-Frequency Characteristics (Typical)



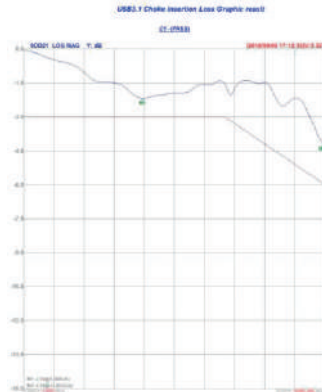


■ Insertion Loss Test (Typical)

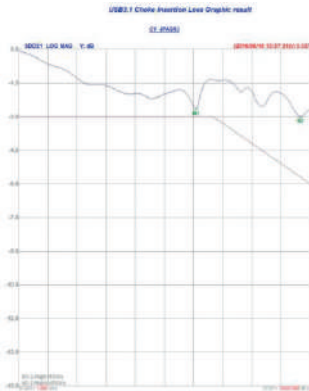
HSF2012F2SF-300T04-H



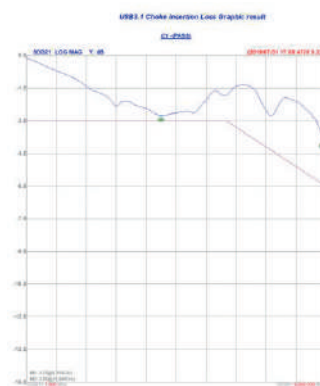
HSF2012F2SF-600T03-H



HSF2012F2SF-900T03-H


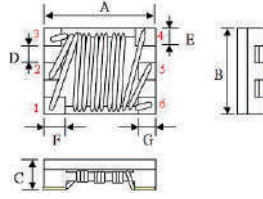


HSF2012F2SF-121T03-H





■ Dimensions

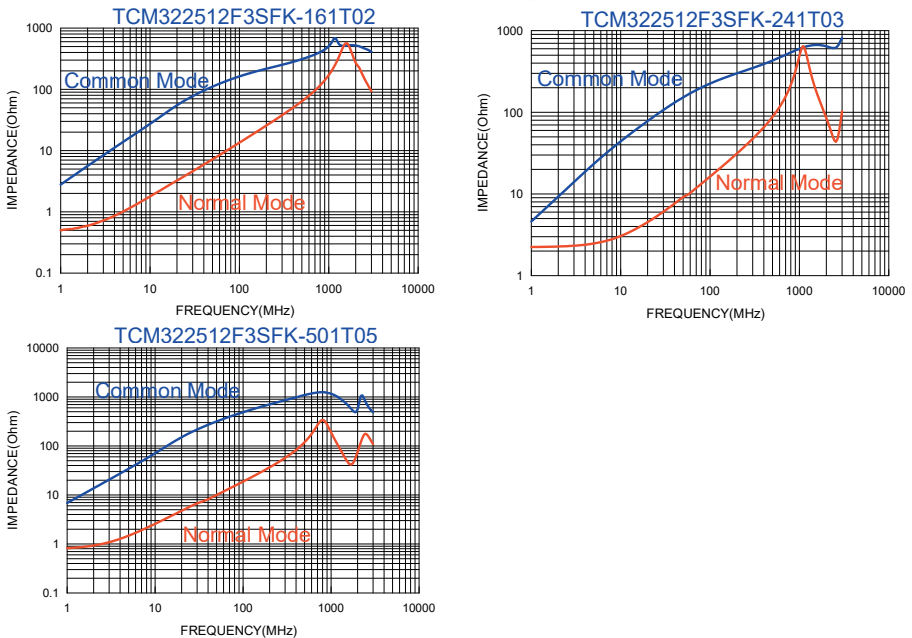
Dimensions	
A	3.20±0.20
B	2.50±0.20
C	1.30max
D	0.25±0.10
E	0.65±0.10
F	0.50±0.10
G	0.50±0.10

Units: mm

■ Specifications

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
TCM322512F3SFK-161T02	160±25%	100	0.21	200	50	125	10M
TCM322512F3SFK-241T03	240±25%	100	0.33	300	50	125	10M
TCM322512F3SFK-501T05	500±25%	100	0.43	500	50	125	10M

■ Impedance-Frequency Characteristics (Typical)



ACM 3225F2S Series

(1210 inch -40~+125°C)



■ Dimensions

Dimensions	
A	3.20±0.20
B	2.50±0.20
C	2.20±0.20
D1	0.65±0.10
D2	1.00±0.10

Units: mm

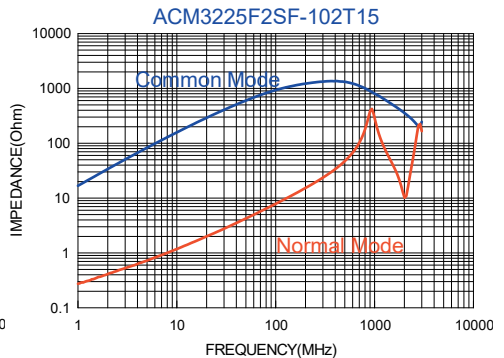
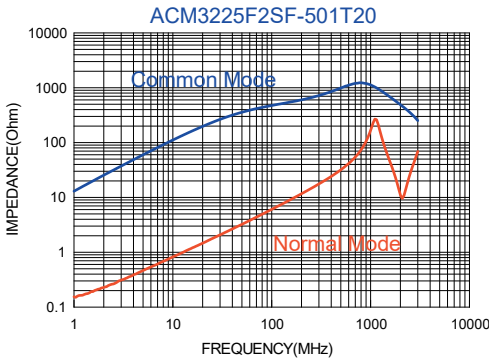
■ Specifications

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	IR (Ω) min.
ACM3225F2SF-501T20	500±25%	100	0.10	2000	60	10M
ACM3225F2SF-102T15	1000±25%	100	0.10	1500	60	10M

Note:

1. Test Frequency : Impedance:100MHz
2. Testing Instrument : L:Agilent-4291A,Agilent-16197A DCR: Agilent-4338B
3. Operating temperature -40°C ~ +85°C
4. All test data is referenced to 25°C ambient

■ Impedance-Frequency Characteristics (Typical)



ACM 3225 Series-D

(1210 inch -40~+125°C)



■ Dimensions

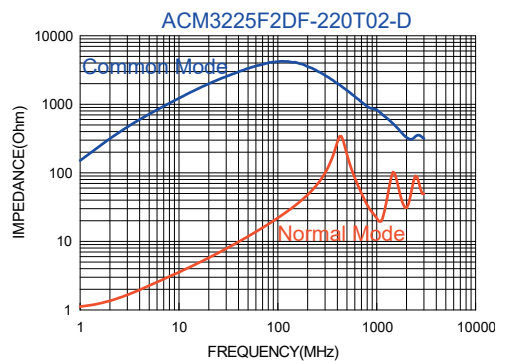
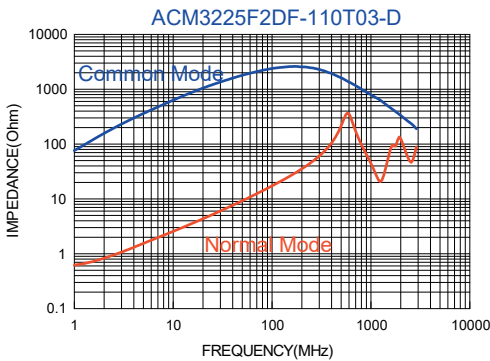
Dimensions	
A	3.30±0.20
B	2.50±0.20
C	2.50 max
D1	0.55±0.15
D2	0.75±0.20

Units: mm

■ Specifications

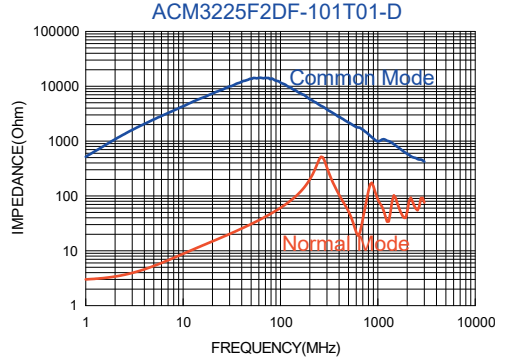
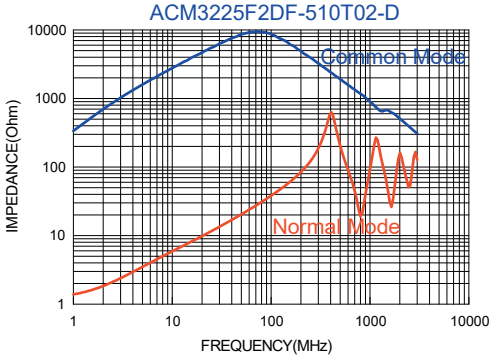
Part Number	Common mode Impedance (Ω) [10MHz]		Inductance(μH) +50/-30% [100kHz/0.1V]	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	IR (Ω) min.
	300 min	550 typ					
ACM3225F2DF-110T03-D	300 min	550 typ	11	0.4	300	80	10M
ACM3225F2DF-220T02-D	500 min	1100 typ	22	0.5	250	80	10M
ACM3225F2DF-510T02-D	1000 min	2600 typ	51	0.7	200	80	10M
ACM3225F2DF-101T01-D	2200 min	5100 typ	100	1.5	150	80	10M

■ Impedance-Frequency Characteristics (Typical)





■ Impedance-Frequency Characteristics (Typical)

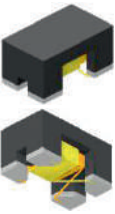

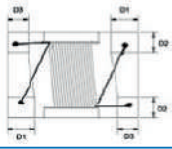


ACM 4532 Series-D

(1812 inch -40~+125 °C)



■ Dimensions

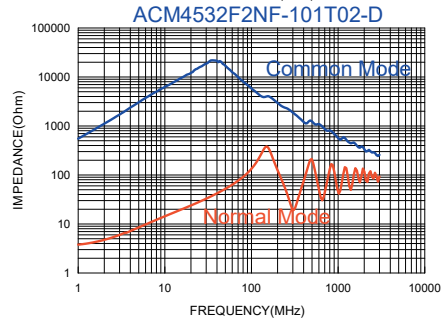
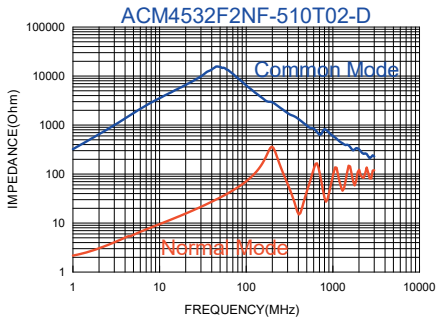
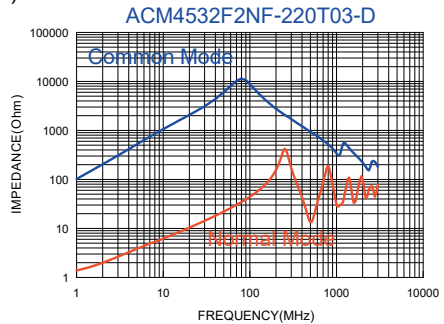
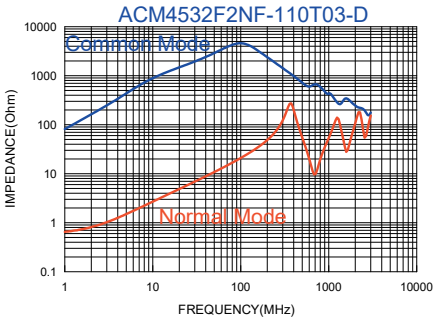
Dimensions	
A	4.50±0.20
B	3.20±0.20
C	2.80±0.20
D1	0.75±0.20
D2	0.85±0.20

Units: mm

■ Specifications

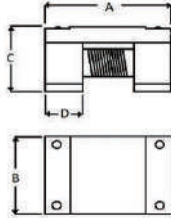
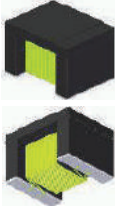
Part Number	Common mode Impedance (Ω) [10MHz]		Common mode Inductance (μH) +50/-30% [100kHz]	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc)max.	IR (Ω) min.
	min	typ					
ACM4532F2NF-110T03-D	300 min	600 typ	11	0.6	360	50	10M
ACM4532F2NF-220T03-D	500 min	1200 typ	22	1.0	310	50	10M
ACM4532F2NF-510T02-D	1000 min	2800 typ	51	1.0	230	50	10M
ACM4532F2NF-101T02-D	2000 min	5800 typ	100	2.0	200	50	10M

■ Impedance-Frequency Characteristics (Typical)





■ Dimensions



Dimensions	
A	3.20±0.20
B	2.50±0.20
C	2.30±0.20
D	0.58±0.10

Units: mm

■ Specifications

Part Number	Ls (μH) (@1 MHz)	DCR (Ω) Max.	SRF (MHz) min.	Rated current(mA)			
				Isat(mA)	Based on temperature rise		
					Ambient temperature 85°C	Ambient temperature 105°C	Ambient temperature 125°C
APO322523NF-2R2M	2.2±20%	0.19	200	1000	1000	880	520
APO322523NF-2R7M	2.7±20%	0.22	200	975	975	860	510
APO322523NF-3R3M	3.3±20%	0.24	150	950	950	840	500
APO322523NF-4R7M	4.7±20%	0.28	100	850	850	720	400
APO322523NF-100M	10.0±20%	0.40	100	500	700	620	360
APO322523NF-220M	22.0±20%	0.62	50	400	550	500	280
APO322523NF-470M	47.0±20%	0.90	30	300	500	300	100

Note:

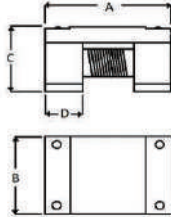
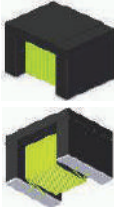
Isat: Applied the current to coils, the inductance change shall be less than 30% of initial value.

Ambient temperature (85°C/105°C): the part temperature (ambient temperature plus self-generation of heat) should be under 125°C.

Ambient temperature (125°C):the part temperature (ambient temperature plus self-generation of heat) should be under 130°C.



■ Dimensions



Dimensions	
A	3.20±0.20
B	2.50±0.20
C	2.30±0.20
D	0.58±0.10

Units: mm

■ Specifications

Part Number	Ls(μH) (@100KHz)	DCR (Ω) Max.	Rated current(mA)	
			Isat (mA)typ.	Irms (mA)typ.
APO322523TF-4R7M	4.7±20%	0.10	720	1500
APO322523TF-100M	10.0±20%	0.15	450	1300

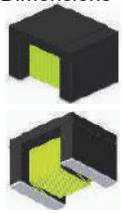
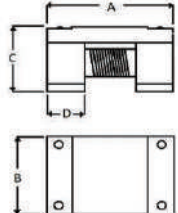
Note:

Isat : When based on the inductance change rate (30% below the initial L value)

Irms : When based on the temperature increase (temperature increase of 40°C by self-heating)



■ Dimensions

Dimensions	
A	3.20±0.20
B	2.50±0.20
C	3.00±0.20
D	0.58±0.10

Units: mm

■ Specifications

Part number	Ls (μH) @100K/0.1V	DCR (Ohms)		SRF typ (MHz)	Rated current(mA)							
		typ	max		Isat(mA) Typ					Irms(mA) Typ		
					25°C	85°C	105°C	125°C	140°C	25°C	85°C	125°C
APO322530NF-2R2M	2.2±20%	0.10	0.13	300	2200	1900	1700	1500	1300	1900	1730	1000
APO322530NF-6R8M	6.8±20%	0.20	0.24	120	1400	1000	930	800	700	1360	1230	800
APO322530NF-100M	10.0±20%	0.29	0.34	95	1100	850	760	660	560	1130	1020	570
APO322530NF-220M	22.0±20%	0.76	0.88	70	720	580	520	450	390	700	630	400

Note:

Maximum part temperature +140°C (ambient temperature plus self-generation of heat).

Isat : DC current that causes 30% inductance drop from its initial value at 200 mA at specified temperature.

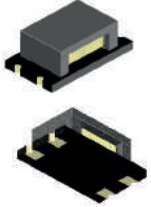
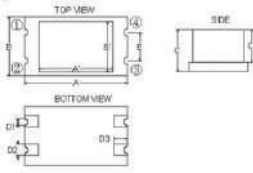
Irms: Current that causes a 40°C rise at 25°C.

Current that causes a 40°C rise at 85°C.

Current that causes a 15°C rise at 125°C.



■ Dimensions

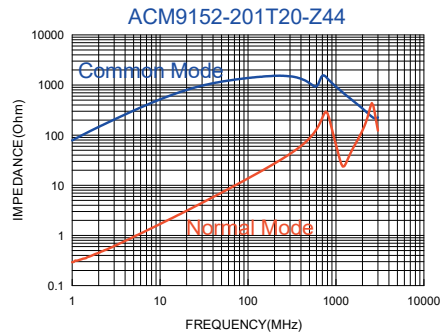
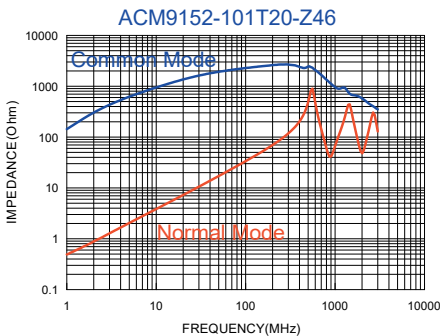
	Dimensions	
	ACM9152-Z44	ACM9152-Z46
A	9.10±0.2	9.10±0.2
A'	4.50±0.2	6.50±0.3
B	5.17±0.2	5.17±0.2
B'	3.20±0.2	4.50±0.2
C	3.90±0.2	3.80±0.2
C'	2.80±0.2	2.70±0.2
D1	0.60±0.1	0.60±0.1
D2	1.00±0.1	1.00±0.1
D3	1.20±0.1	1.20±0.1
E	2.50±0.2	2.50±0.2

Units: mm

■ Specifications

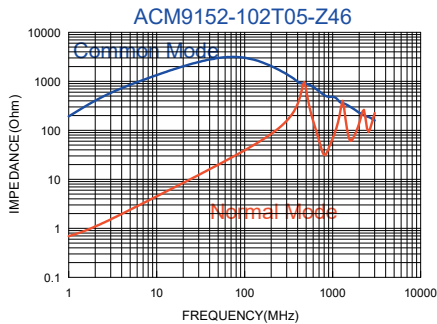
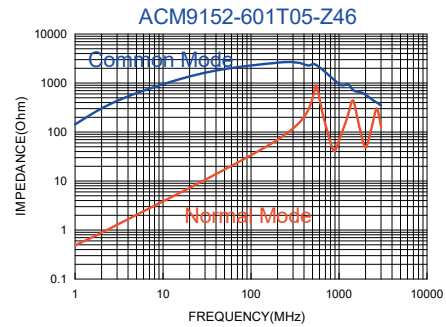
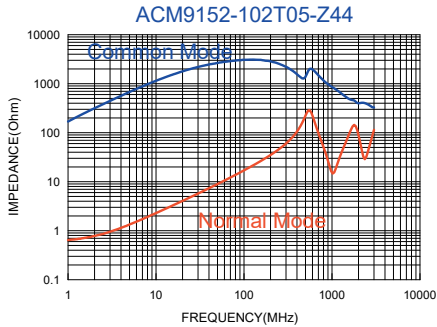
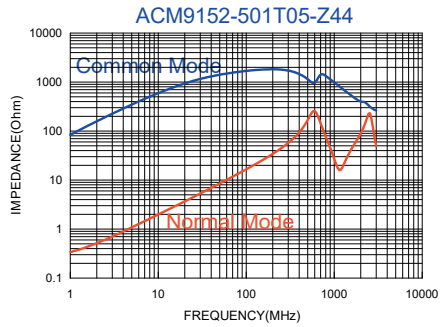
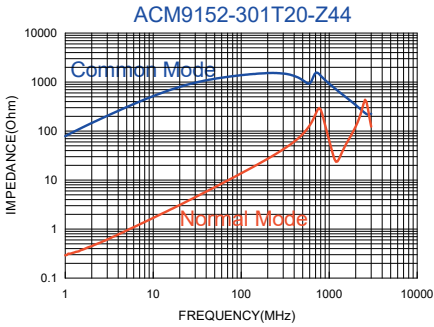
TAI-TECH Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (A) max.	Rated Volt. (Vdc) max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
ACM9152-101T20-Z46	100 min	20 to 100	0.10	2.0	50	250	100M
ACM9152-201T20-Z44	200 min	20 to 300	0.12	2.0	50	125	100M
ACM9152-301T20-Z44	300 min	6 to 20	0.12	2.0	50	125	100M
ACM9152-501T05-Z44	500 min,1000typ.	10	0.15	0.5	80	200	100M
ACM9152-102T05-Z44	1000 min,2000typ.	10	0.25	0.5	80	200	100M
ACM9152-601T05-Z46	600 min,1000typ	10	0.25	0.5	80	200	100M
ACM9152-102T05-Z46	1000 min,2000typ	10	0.30	0.5	80	200	100M

■ Impedance-Frequency Characteristics (Typical)



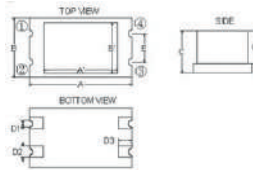
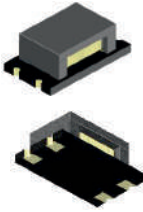


■ Impedance-Frequency Characteristics (Typical)





■ Dimensions



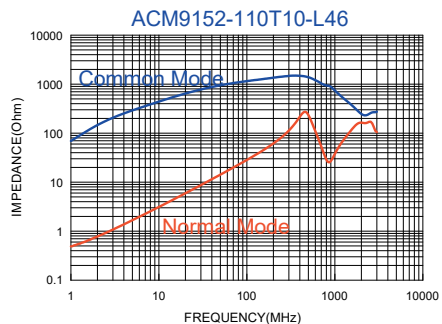
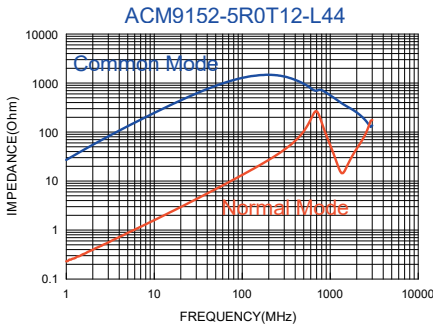
	Dimensions	
	ACM9152-L44	ACM9152-L46
A	9.10±0.2	9.10±0.2
A'	4.50±0.2	6.50±0.3
B	5.17±0.2	5.17±0.2
B'	3.20±0.2	4.50±0.2
C	3.80±0.2	3.80±0.2
C'	2.80±0.2	2.70±0.2
D1	0.60±0.1	0.60±0.1
D2	1.00±0.1	1.00±0.1
D3	1.20±0.1	1.20±0.1
E	2.50±0.2	2.50±0.2

Units: mm

■ Specifications

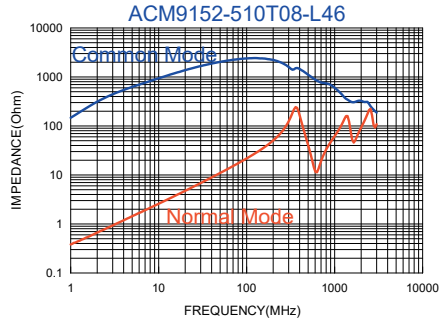
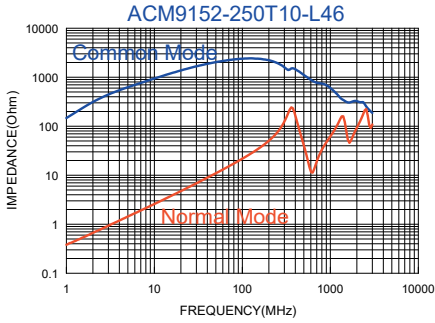
Part Number	Inductance (μH) $\pm 30\%$ [100kHz/0.1V] (1-4)(2-3)	DC Resistance (Ω) (1-4)(2-3)	Rated Current (A) max	L Stray. typ. (nH)	V test V DC,2s
ACM9152-5R0T12-L44	5.0	0.06 typ.	1.2	40	250
ACM9152-110T10-L46	11.0	0.08 typ.	1.0	50	250
ACM9152-250T10-L46	25.0	0.11 typ.	1.0	60	250
ACM9152-510T08-L46	51.0	0.30 typ.	0.8	70	250

■ Impedance-Frequency Characteristics (Typical)





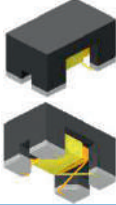
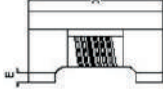

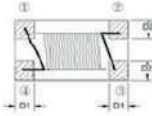
■ Impedance-Frequency Characteristics (Typical)



DCM 321620F2S Series (1206 inch -40~+85 °C)



■ Dimensions

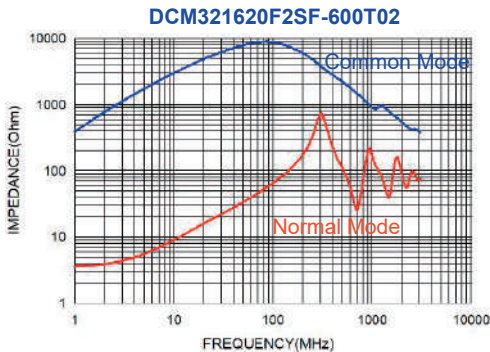
Dimensions	
A	3.40±0.20
B	1.60±0.20
C	2.00±0.20
D1	0.58±0.10
D2	0.66±0.10
E	0.12typ

Units: mm

■ Specifications

Part Number	Inductance(uH) [100kHz/0.1V] min.	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc) max.	Withstand Volt. (Vdc)max.	IR(Ω) min.
DCM321620F2SF-600T02	60	1.7	200	50	125	10M

■ Impedance-Frequency Characteristics (Typical)



DCM 321620F2U Series (1206 inch -40~+125 °C)



■ Dimensions

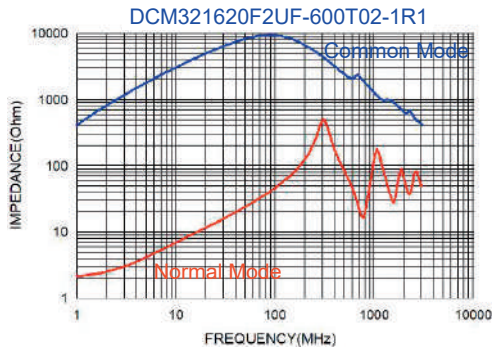
Dimensions	
A	3.40±0.20
B	1.60±0.20
C	2.40 Max
D1	0.58±0.10
D2	0.66±0.10
E	0.12typ

Units: mm

■ Specifications

Part Number	Inductance(μH) [100kHz/0.1V] min.	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc) max.	Withstand Volt. (Vdc)max.	IR(Ω) min.
DCM321620F2UF-600T02-1R1	60	1.1	200	50	125	10M

■ Impedance-Frequency Characteristics (Typical)



DCM 3532F2S Series

(1412 inch -40~+85 °C)



■ Dimensions

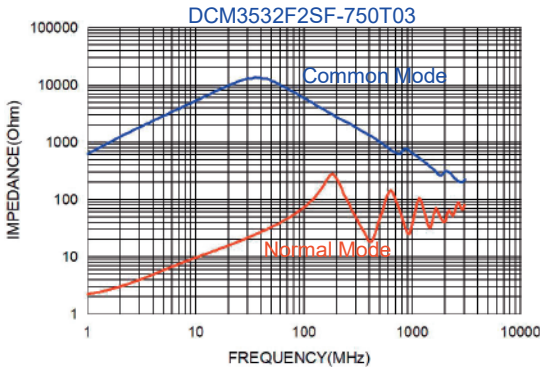
Dimensions	
A	3.50±0.20
B	3.20±0.20
C	2.30±0.20
D1	0.63±0.10
D2	1.18±0.10

Units: mm

■ Specifications

Part Number	Inductance(uH) [100kHz/0.1V] min.	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc) max.	Withstand Volt. (Vdc) max.	IR(Ω) min.
DCM3532F2SF-750T03	75	0.8	300	50	125	10M

■ Impedance-Frequency Characteristics (Typical)



DCM 3532F2U Series

(1412 inch -40~+125 °C)



■ Dimensions

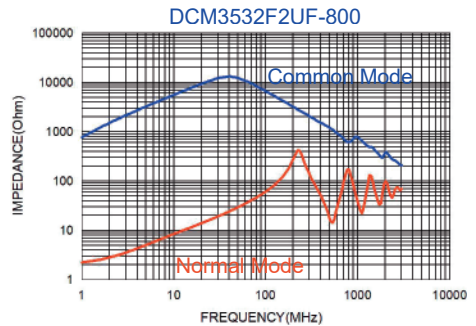
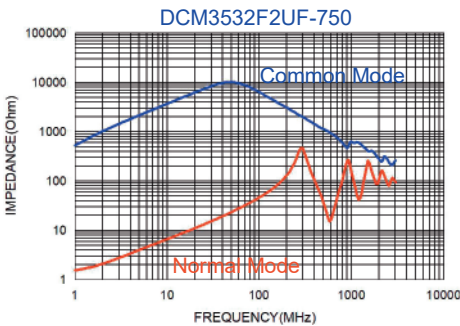
Dimensions	
A	3.50±0.20
B	3.20±0.20
C	2.30±0.20
D1	0.63±0.10
D2	1.18±0.10

Units: mm

■ Specifications

Part Number	Inductance(μH) [100kHz/0.1V] min.	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc) max.	Withstand Volt. (Vdc)max.	IR (Ω) min.
DCM3532F2UF-750	75	0.8	300	50	125	10M
DCM3532F2UF-800	75~160	1.3	200	50	125	10M

■ Impedance-Frequency Characteristics (Typical)



DCM 4532 Series

(1812 inch -40~+125 °C)



■ Dimensions

Dimensions	
A	4.50±0.20
B	3.20±0.20
C	3.00±0.20
D1	1.00±0.10
D2	1.20±0.10

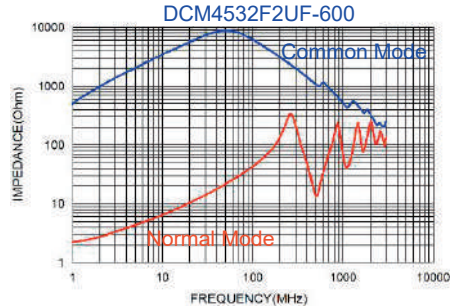
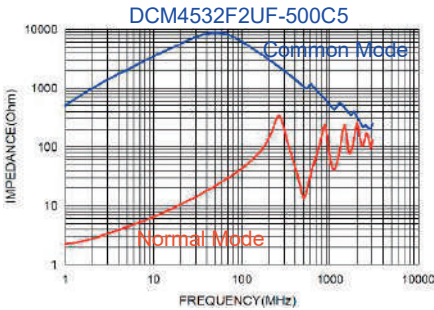
Units: mm

■ Specifications

Part Number	Inductance (μH) [100kHz]	Capacitance (pF)Max	DC Resistance (Ω) max.	Rated Volt. (Vdc) max.	Withstand Volt. (Vdc) max.	IR (Ω) min.
DCM4532F2UF-500C5	50min	5.5	0.75	50	125	1M

Part Number	Inductance (μH) [100kHz]	DC Resistance (Ω) max.	Rated Current (mA) max.	Rated Volt. (Vdc) max.	IR (Ω) min.
DCM4532F2UF-600	60min	0.50	20	50	1M

■ Impedance-Frequency Characteristics (Typical)





■ Dimensions

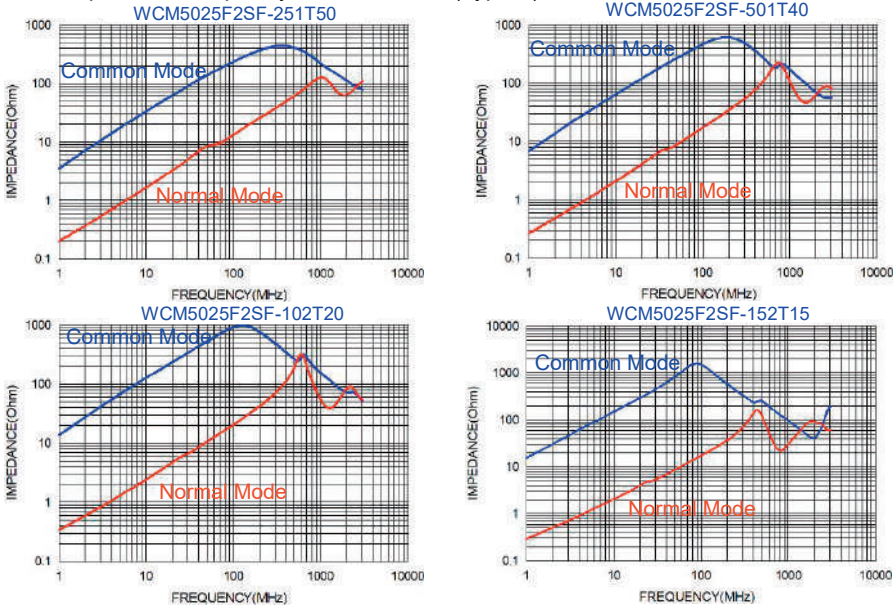
Dimensions	
A	4.80±0.30
B	5.00±0.30
C	2.50 max
D	3.50 typ
E	2.20 typ
F	1.10 typ

Units: mm

■ Specifications

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω)±40%	Rated Current (mA) max.	Rated Volt. (Vdc)max.	IR (Ω) min.
WCM5025F2SF-251T50	250(typ)	100	0.014	5000	50	10M
WCM5025F2SF-501T40	500(typ)	100	0.019	4000	50	10M
WCM5025F2SF-102T20	1000(typ)	100	0.024	2000	50	10M
WCM5025F2SF-152T15	1500(typ)	100	0.040	1500	50	10M

■ Impedance-Frequency Characteristics (Typical)

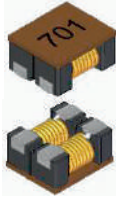


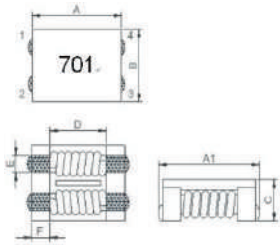
WCM 7060 Series

(2824 inch -40~+125 °C)



■ Dimensions





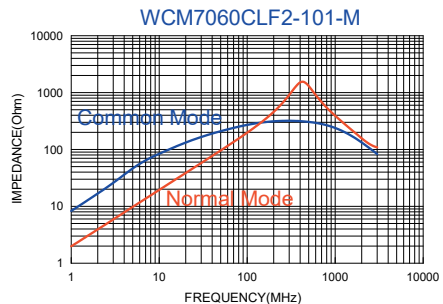
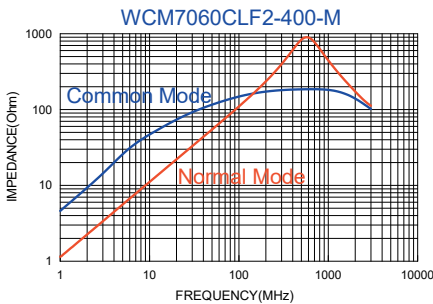
Dimensions	
A	7.00±0.50
A1	7.50±0.50
B	6.00±0.50
C	3.80 max
D	3.50 typ.
E	1.50 typ.
F	1.70 typ.

Units: mm

■ Specifications

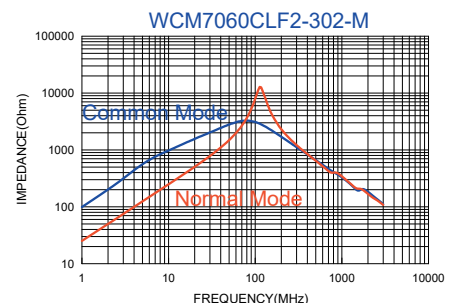
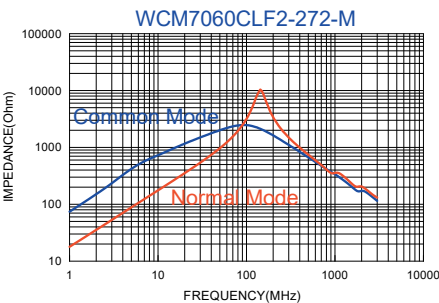
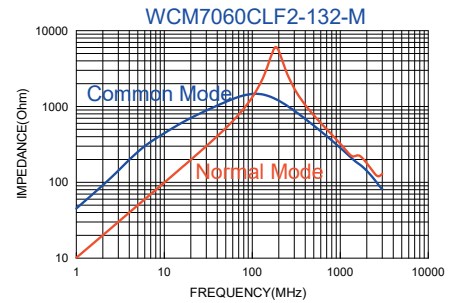
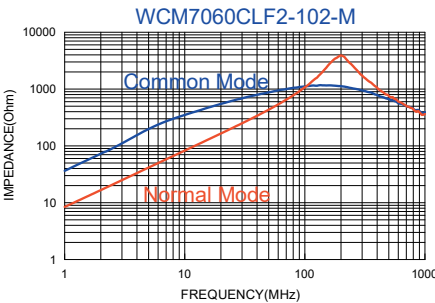
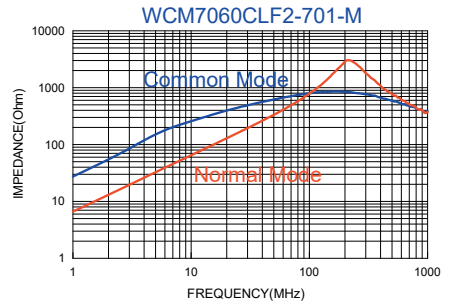
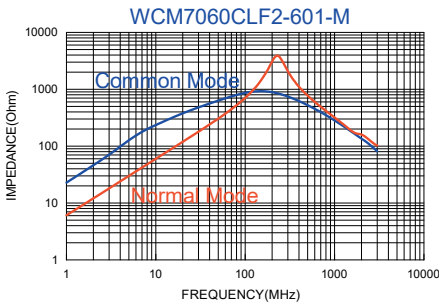
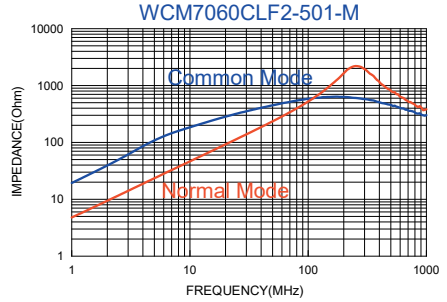
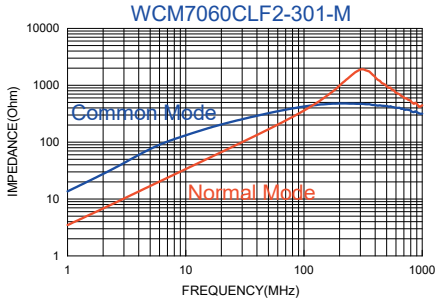
Part Number	Common mode Impedance (Ω)		Test Frequency (MHz)	DC Resistance (mΩ) max. (1 line)	Rated Current (mA) max.	Rated Volt. (Vdc) max	IR (Ω) min.
	min	typ.					
WCM7060CLF2-400-M	40	70	100	5	15.0	125	10
WCM7060CLF2-101-M	100	140	100	10	9.0	125	10
WCM7060CLF2-301-M	225	300	100	10	5.0	125	10
WCM7060CLF2-501-M	275	450	100	10	5.0	125	10
WCM7060CLF2-601-M	500	700	100	15	4.0	125	10
WCM7060CLF2-701-M	500	700	100	15	4.0	125	10
WCM7060CLF2-102-M	800	1020	100	17	3.0	125	10
WCM7060CLF2-132-M	910	1300	100	21	2.5	125	10
WCM7060CLF2-272-M	2000	2700	100	63	1.0	125	10
WCM7060CLF2-302-M	2500	3000	100	75	0.9	125	10

■ Impedance-Frequency Characteristics (Typical)





■ Impedance-Frequency Characteristics (Typical)





■ Dimensions

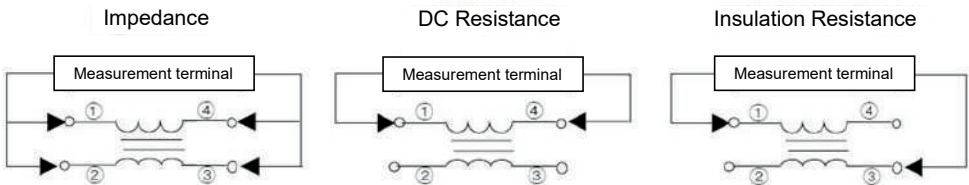
Dimensions	
A	9.00±0.50
B	7.00±0.50
C	4.80 max
D	5.70 typ
E	1.50±0.20
F	2.00±0.20
G	1.70±0.20

Units: mm

■ Specifications

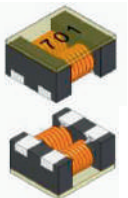
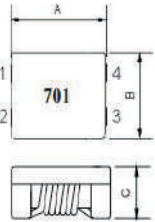
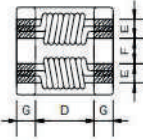
Part Number	Impedance (Ω)		Test Frequency (MHz)	DC Resistance (mΩ) max. (1 line)	Rated Current (A) max.	Rated Volt. (Vdc) max.	Insulation Resistance (MΩ) min.
	min.	typ.					
WCM9070-301T60-M	225	300	100	6	6.0	80	10
WCM9070-501T60-M	450	600	100	8	6.0	80	10
WCM9070-701T50-M	500	700	100	10	5.0	80	10
WCM9070-102T40-M	750	1000	100	13	4.0	80	10
WCM9070-222T25-M	1700	2200	100	60	2.5	80	10
WCM9070-272T20-M	2000	2700	100	65	2.0	80	10
WCM9070-302T30-M	2500	3000	100	70	3.0	80	10

■ Test Method





■ Dimensions

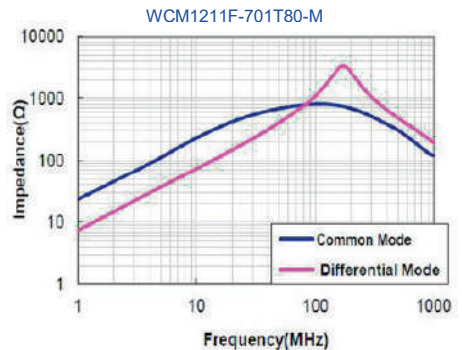
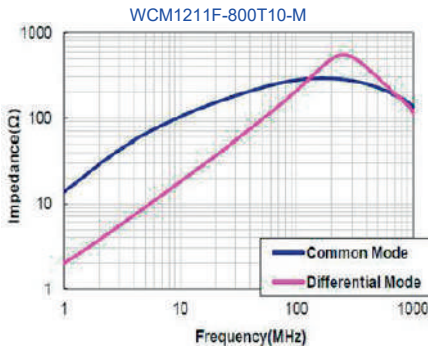
Dimensions	
A	12.00±0.50
B	10.80±0.50
C	6.40max
D	7.00 typ
E	2.70±0.20
F	2.50±0.20
G	2.50±0.20

Units: mm

■ Specifications

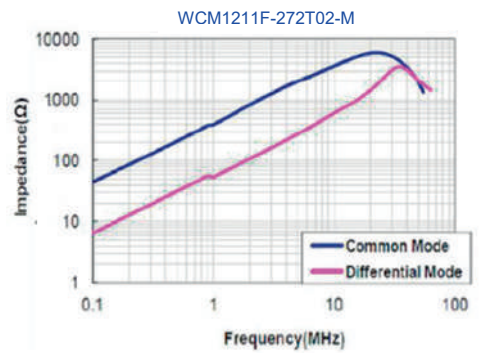
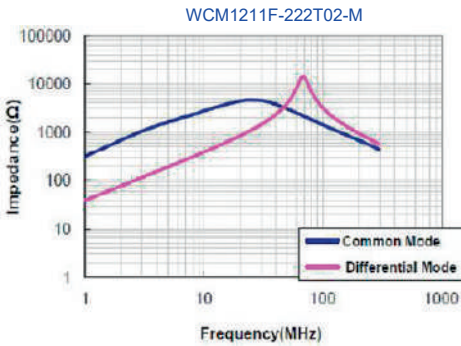
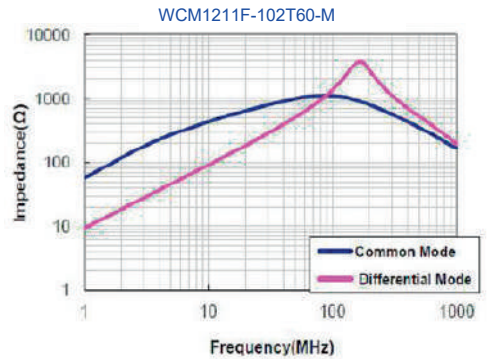
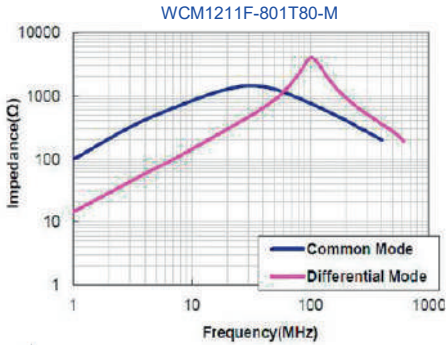
Part Number	Impedance (Ω)		Test Frequency (MHz)	DC Resistance (MΩ) max. (1 line)	Rated Current (A) max.	Rated Volt. (Vdc) max.	Insulation Resistance (MΩ) min.
	min.	typ.					
WCM1211F-800T10-M	80	230	100	2	10.0	125	10
WCM1211F-701T80-M	500	700	100	6	8.0	125	10
WCM1211F-801T80-M	600	800	100	8	8.0	125	10
WCM1211F-102T60-M	750	1000	100	14	6.0	125	10
WCM1211F-222T02-M	2200	2500	100	35	1.8	125	10
WCM1211F-272T02-M	2300	2700	100	50	1.5	125	10

■ Impedance-Frequency Characteristics (Typical)

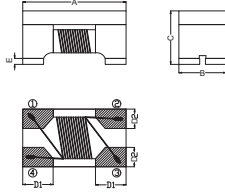




■ Impedance-Frequency Characteristics (Typical)



■ Dimensions



Dimensions

A	2.00±0.20
B	1.20±0.20
C	1.20±0.20
D1	0.50±0.10
D2	0.51±0.10
E	0.15±0.10

Units: mm

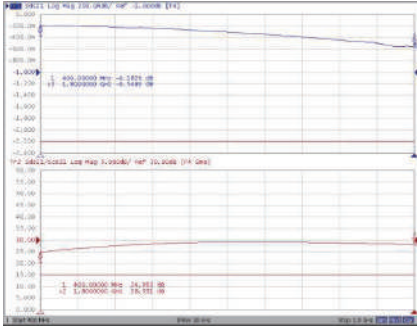
■ Specifications

Part Number	UB/B Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Power (dBm) max.	Rated Volt. (DCV) max.	Withstand Volt.(DCV) max.	IR (MΩ) min.	Insertion Loss (dB)max.	CMRR (dB)
BCM2012F2SF-50011-TE2	50/50	400~1800	0.50	27	20	125	10	2.2	15(typ.)
BCM2012F2SF-50011-T02	50/50	40~ 860	1.00	27	20	125	10	2.5	20(typ.)
BCM2012F2SF-50011-MN2	50/50	100~1000	0.35	27	20	50	10	1.0	10(min.)
BCM2012F2SF-50011-ST2	50/50	45~870	1.00	27	20	50	10	1.2	20(min.)
BCM2012F2SF-75011-TE2	75/75	400~1800	0.50	27	20	125	10	2.0	15(typ.)
BCM2012F2SF-75011-T02	75/75	50~1200	0.70	27	20	125	10	1.2	20(typ.)
BCM2012F2SF-75011-MS2	75/75	1000~1500	0.59	27	20	50	10	1.4	20(min.)
BCM2012F2SF-75011-MT2	75/75	50~1200	0.77	27	20	50	10	50~870MHz:1.0 870~1200MHz:1.2	20(min.)
BCM2012F2SF-75011-SA2	75/75	45~870	0.88	27	20	50	10	1.0	20(min.)
BCM2012F2SF-75011-SB2	75/75	50~1200	0.70	27	20	50	10	1.2	20(min.)
BCM2012F2SF-75011-122	75/75	1000~1500	0.59	27	20	50	10	1.4	20(min.)

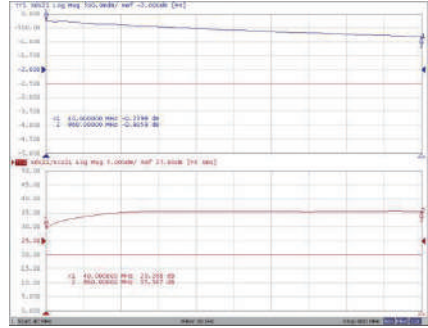


■ Characteristics (Typical)

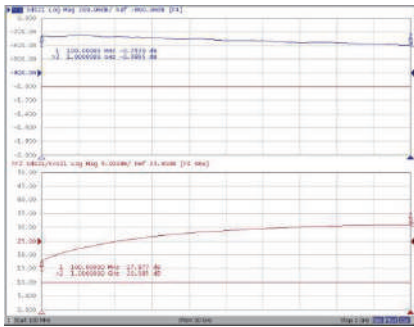
BCM2012F2SF-50011-TE2



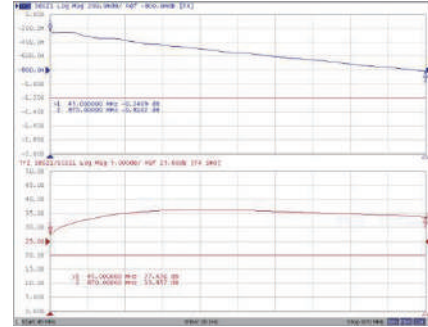
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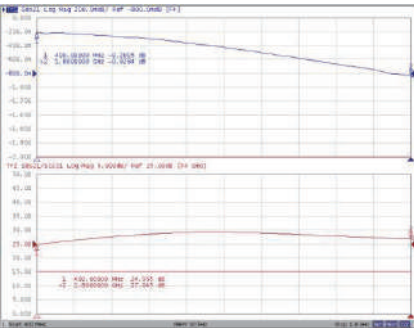
BCM2012F2SF-50011-MN2



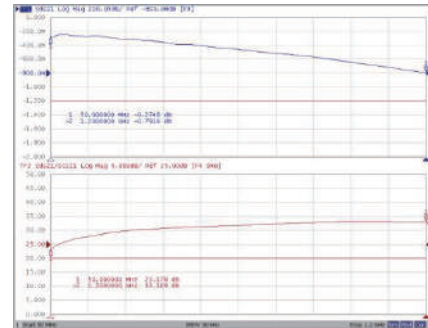
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BCM2012F2SF-75011-TE2



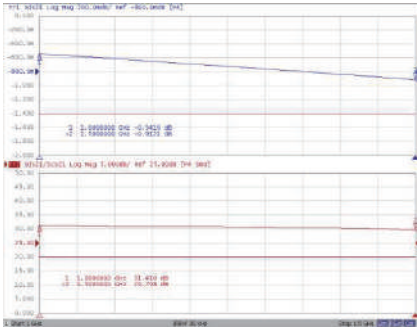
BCM2012F2SF-75011-T02



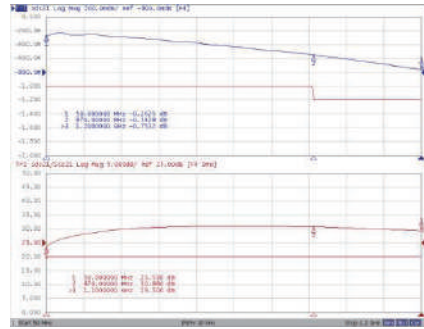


■ Characteristics (Typical)

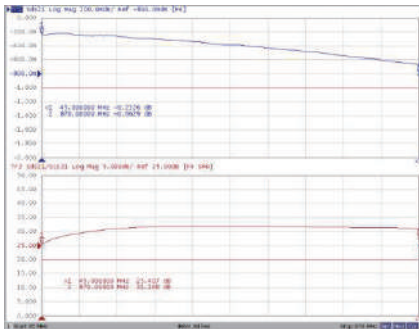
BCM2012F2SF-75011-MS2



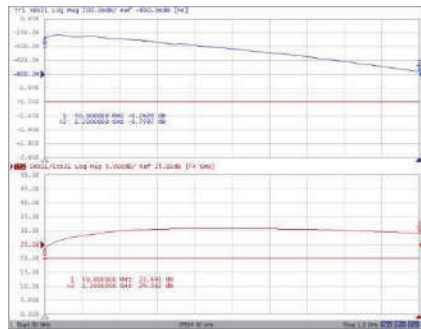
BCM2012F2SF-75011-MT2



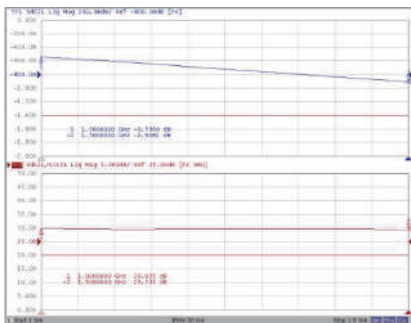
BCM2012F2SF-75011-SA2

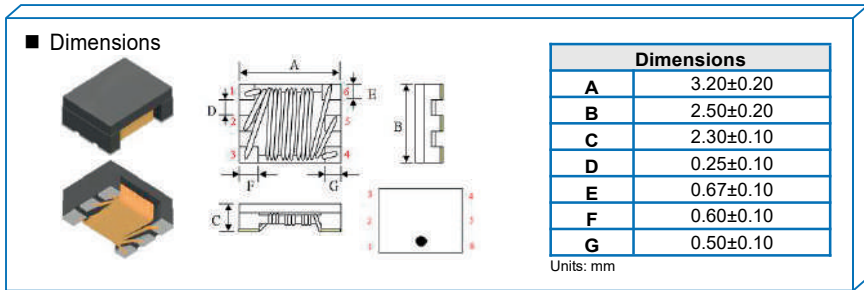


BCM2012F2SF-75011-SB2



BCM2012F2SF-75011-122



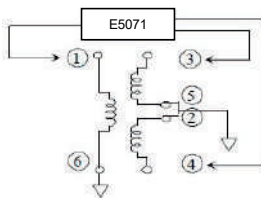


■ Specifications

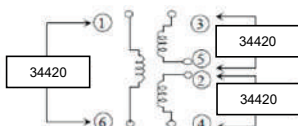
Part Number	Frequency Range	Insertion Loss Sds21 (dB)max.	Return Loss Sss11 (dB)min.	Amplitude Balance (dB)max.	Phase Balance (deg)	DC Resistance (Ω) max.(1line)	Rated Current DC(mA) max. (1-6,5-3/2-4)	Rated Volt. (DCV) max.	IR (MΩ) min.
BCM3225F3SF-75011-CT1	5~65MHz	0.8	15	0.1	180±2	0.70	500	10	10
	5~200MHz	1.5	10	0.5	180±5				
BCM3225F3SF-75032-CT1	5~100MHz	2.0	5.0	1.0	180±10	0.70	300	10	10
BCM3225F3SF-75034-CT1-1R5	1~100MHz	2.0	5.0	0.1	180±10	1.50	300	10	10
BCM3225F3SF-75034-CT1	1~100MHz	2.0	5.0	0.1	180±10	0.70	300	10	10

■ Test Equipment (Typical)

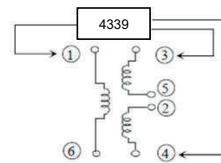
(1) Amplitude Balance / Phase Balance / Insertion Loss / Return Loss



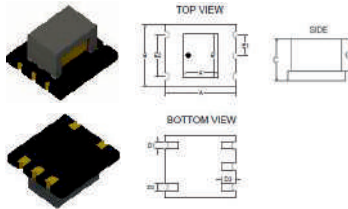
(2) DC resistance



(3) Insulation resistance



■ Dimensions



Dimensions			
A	5.10±0.20	D1	0.50±0.20
A'	2.50±0.20	D2	0.60±0.20
B	4.50±0.20	D3	1.00±0.20
B'	3.20±0.20	E1	1.50±0.20
C	3.50Max	E2	3.00±0.20
C'	2.50Max		

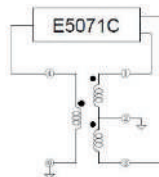
Units: mm

■ Specifications

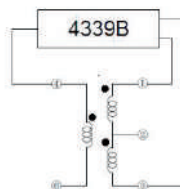
Part Number	Frequency Range	Insertion Loss Sds21(dB)max	Rated Volt. (DCV) max.	IR (MΩ) min.
BCM5145F3SF-113TS-CT1-P	5~204MHz	1.0	10	10

■ Test Equipment (Typical)

- (1) Amplitude Balance / Phase Balance / Insertion Loss / Return Loss
Measured by using E5071C Network Analyzer (Z0=75ohm)



- (2) Insulation resistance
Measured by using 4339B high resistance meter
Measurement voltage: 10V, Measurement time: 60sec.





■ Dimensions

Dimensions	
A	1.00±0.10
B	0.50±0.10
C	0.50±0.10
D	0.25±0.10

Units: mm

■ Specifications

Part Number	Inductance		Q		Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
	uH	Test Frequency (Hz)	min.	Test Frequency (MHz)			
FCI1005F-1R0□	1.0	60mV / 10M	20	10	15	0.90	40
FCI1005F-1R8□	1.8	60mV / 10M	20	10	15	1.45	30
FCI1005F-2R2□	2.2	60mV / 10M	20	10	10	1.70	28

NOTE: □:TOLERANCE K=±10%,L=±15%,M=±20%



■ Dimensions

Dimensions		
A	1.60±0.15	1.80±0.15
B	0.80±0.15	
C	0.80±0.15	
D	0.30±0.20	

Units: mm

■ Specifications

Part Number	Thickness A Size(mm)	Inductance		Q		Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
		uH	Test Frequency (Hz)	min.	Test Frequency (MHz)			
FCI1608F-47N□	1.60±0.15	0.047	60mV / 50M	10	50	50	0.30	260
FCI1608F-68N□	1.60±0.15	0.068	60mV / 50M	10	50	50	0.30	250
FCI1608F-82N□	1.60±0.15	0.082	60mV / 50M	10	50	50	0.30	245
FCI1608F-R10□	1.60±0.15	0.10	60mV / 25M	15	25	50	0.50	240
FCI1608F-R12□	1.60±0.15	0.12	60mV / 25M	15	25	50	0.50	205
FCI1608F-R15□	1.60±0.15	0.15	60mV / 25M	15	25	50	0.60	180
FCI1608F-R18□	1.60±0.15	0.18	60mV / 25M	15	25	50	0.60	165
FCI1608F-R22□	1.60±0.15	0.22	60mV / 25M	15	25	50	0.80	150
FCI1608F-R27□	1.60±0.15	0.27	60mV / 25M	15	25	50	0.80	136
FCI1608F-R33□	1.60±0.15	0.33	60mV / 25M	15	25	35	0.85	125
FCI1608F-R39□	1.60±0.15	0.39	60mV / 25M	15	25	35	1.00	110
FCI1608F-R47□	1.60±0.15	0.47	60mV / 25M	15	25	35	1.35	105
FCI1608F-R56□	1.60±0.15	0.56	60mV / 25M	15	25	35	1.55	95
FCI1608F-R68□	1.60±0.15	0.68	60mV / 25M	15	25	35	1.70	80
FCI1608F-R82□	1.60±0.15	0.82	60mV / 25M	15	25	35	2.10	75
FCI1608F-1R0□	1.60±0.15	1.0	60mV / 10M	30	10	25	0.60	70
FCI1608F-1R5□	1.60±0.15	1.5	60mV / 10M	30	10	25	0.80	55
FCI1608F-1R8□	1.60±0.15	1.8	60mV / 10M	30	10	25	0.95	50
FCI1608F-2R2□	1.60±0.15	2.2	60mV / 10M	30	10	15	1.15	45
FCI1608F-3R3□	1.60±0.15	3.3	60mV / 10M	30	10	15	1.55	38
FCI1608F-4R7□	1.60±0.15	4.7	60mV / 10M	30	10	15	2.10	33
FCI1608TF-100□	1.80±0.15	10	60mV / 2M	30	2	15	2.55	17

NOTE: □: TOLERANCE K=±10%, L=±15%, M=±20%



■ Dimensions

Dimensions	
A	2.00±0.20
B	1.25±0.20
C	0.85±0.20 1.25±0.20
D	0.50±0.30

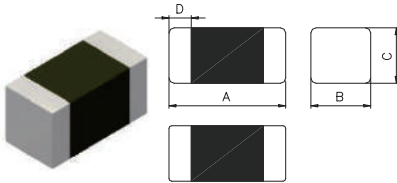
Units: mm

■ Specifications

Part Number	Thickness	Inductance		Q		Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
	C size(mm)	uH	Test Frequency (Hz)	min.	Test Frequency (MHz)			
FCI2012F-47N□	0.85±0.20	0.047	60mV / 50M	15	50	300	0.20	320
FCI2012F-R10□	0.85±0.20	0.10	60mV / 25M	20	25	250	0.30	235
FCI2012F-R12□	0.85±0.20	0.12	60mV / 25M	20	25	250	0.30	220
FCI2012F-R15□	0.85±0.20	0.15	60mV / 25M	20	25	250	0.40	200
FCI2012F-R18□	0.85±0.20	0.18	60mV / 25M	20	25	250	0.40	185
FCI2012F-R22□	0.85±0.20	0.22	60mV / 25M	20	25	250	0.50	170
FCI2012F-R27□	0.85±0.20	0.27	60mV / 25M	20	25	250	0.50	150
FCI2012F-R33□	0.85±0.20	0.33	60mV / 25M	20	25	250	0.55	145
FCI2012F-R39□	0.85±0.20	0.39	60mV / 25M	25	25	200	0.65	135
FCI2012F-R47□	1.25±0.20	0.47	60mV / 25M	25	25	200	0.65	125
FCI2012F-R56□	1.25±0.20	0.56	60mV / 25M	25	25	150	0.75	115
FCI2012F-R68□	1.25±0.20	0.68	60mV / 25M	25	25	150	0.80	105
FCI2012F-1R0□	0.85±0.20	1.0	60mV / 10M	45	10	50	0.40	75
FCI2012F-1R5□	0.85±0.20	1.5	60mV / 10M	45	10	50	0.50	60
FCI2012F-1R8□	0.85±0.20	1.8	60mV / 10M	45	10	50	0.60	55
FCI2012F-2R2□	0.85±0.20	2.2	60mV / 10M	45	10	30	0.65	50
FCI2012F-2R7□	1.25±0.20	2.7	60mV / 10M	45	10	30	0.75	45
FCI2012F-3R3□	1.25±0.20	3.3	60mV / 10M	45	10	30	0.80	41
FCI2012F-4R7□	1.25±0.20	4.7	60mV / 10M	45	10	30	1.00	35
FCI2012F-100□	1.25±0.20	10.0	60mV / 2M	45	2	15	1.15	24

NOTE: □:TOLERANCE K=±10%,L=±15%,M=±20%

■ Dimensions



Dimensions	
A	3.20±0.20
B	1.60±0.20
C	1.10±0.30
D	0.50±0.30

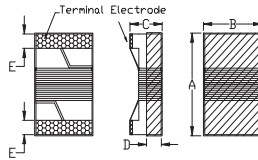
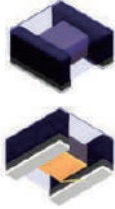
Units: mm

■ Specifications

Part Number	Inductance		Q		Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
	uH	Test Frequency (Hz)	min.	Test Frequency (MHz)			
FCI3216F-1R0□	1.0	60mV / 10M	45	10	100	0.40	75
FCI3216F-2R2□	2.2	60mV / 10M	45	10	50	0.60	50
FCI3216F-4R7□	4.7	60mV / 10M	45	10	50	0.90	35
FCI3216F-100□	10.0	60mV / 2M	50	2	25	1.00	24

NOTE: □: TOLERANCE K=±10%, L=±15%, M=±20%

■ Dimensions



Dimensions

Dimension	Value
A	1.65±0.15
B	1.15±0.15
C	1.05±0.15
D	0.38 ref
E	0.35±0.10

Units: mm

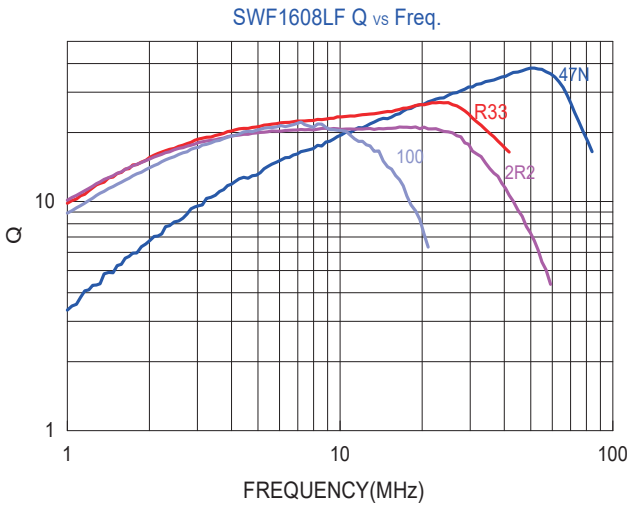
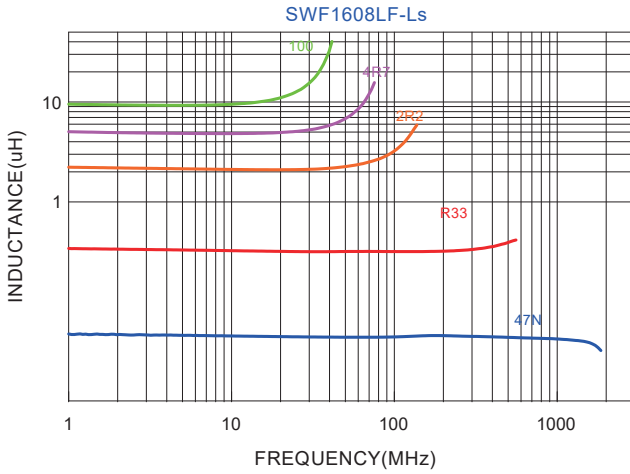
■ Specifications

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q typ.	Test Frequency (MHz)	SRF (MHz) typ.	DCR (Ω) max.	IDC (mA) max.
SWF1608LF-47N□	0.047	K	0.5V/7.9M	17	7.9	1700	0.075	1500
SWF1608LF-72N□	0.072	K	0.5V/7.9M	17	7.9	1700	0.12	1500
SWF1608LF-R10□	0.10	K	0.5V/7.9M	17	7.9	1500	0.12	1500
SWF1608LF-R15□	0.15	K	0.5V/7.9M	17	7.9	1350	0.15	1450
SWF1608LF-R18□	0.18	K	0.5V/7.9M	17	7.9	1150	0.15	1400
SWF1608LF-R33□	0.33	K	0.5V/7.9M	17	7.9	850	0.46	900
SWF1608LF-R39□	0.39	K	0.5V/7.9M	17	7.9	810	0.51	1100
SWF1608LF-R47□	0.47	K	0.5V/7.9M	17	7.9	720	0.62	1050
SWF1608LF-R56□	0.56	K	0.5V/7.9M	17	7.9	600	0.44	850
SWF1608LF-R68□	0.68	K	0.5V/7.9M	17	7.9	600	0.52	850
SWF1608LF-R82□	0.82	K	0.5V/7.9M	17	7.9	480	0.69	750
SWF1608LF-R91□	0.91	K	0.5V/7.9M	17	7.9	330	0.76	670
SWF1608LF-1R0□	1.0	K	0.5V/7.9M	17	7.9	310	0.81	600
SWF1608LF-1R2□	1.2	K	0.5V/7.9M	17	7.9	270	0.87	550
SWF1608LF-1R5□	1.5	K	0.5V/7.9M	17	7.9	270	1.06	540
SWF1608LF-1R8□	1.8	K	0.5V/7.9M	17	7.9	230	1.1	520
SWF1608LF-2R2□	2.2	K	0.5V/7.9M	17	7.9	130	1.2	500
SWF1608LF-2R7□	2.7	K	0.5V/7.9M	17	7.9	105	1.5	480
SWF1608LF-3R3□	3.3	K	0.5V/7.9M	17	7.9	84	1.5	440
SWF1608LF-3R9□	3.9	K	0.5V/7.9M	17	7.9	80	1.6	430
SWF1608LF-4R7□	4.7	J,K	0.5V/7.9M	18	7.9	69	2.1	420
SWF1608LF-5R6□	5.6	J,K	0.5V/7.9M	18	7.9	65	2.6	350
SWF1608LF-6R8□	6.8	J,K	0.5V/7.9M	19	7.9	55	3.1	330
SWF1608LF-7R8□	7.8	J,K	0.5V/7.9M	17	7.9	47	3.5	320
SWF1608LF-8R2□	8.2	J,K	0.5V/7.9M	17	7.9	42	3.8	300
SWF1608LF-100□	10.0	J,K	0.5V/7.9M	19	7.9	40	4.8	270

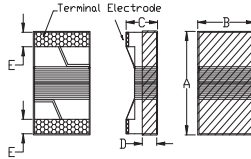
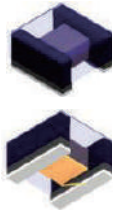
□: J=±5%, K=±10%



■ Inductance vs Frequency, Q vs Frequency (Typical)



■ Dimensions



Dimensions	
A	1.80 max
B	1.20 max
C	1.20 max
D	0.38 ref
E	0.35±0.10

Units: mm

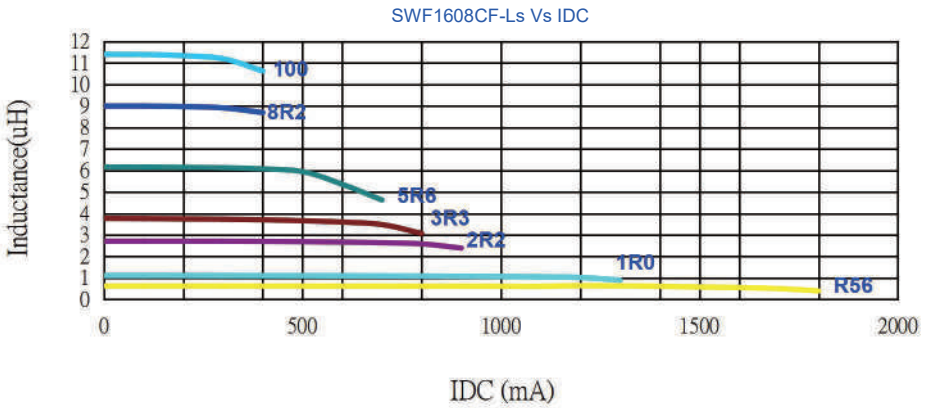
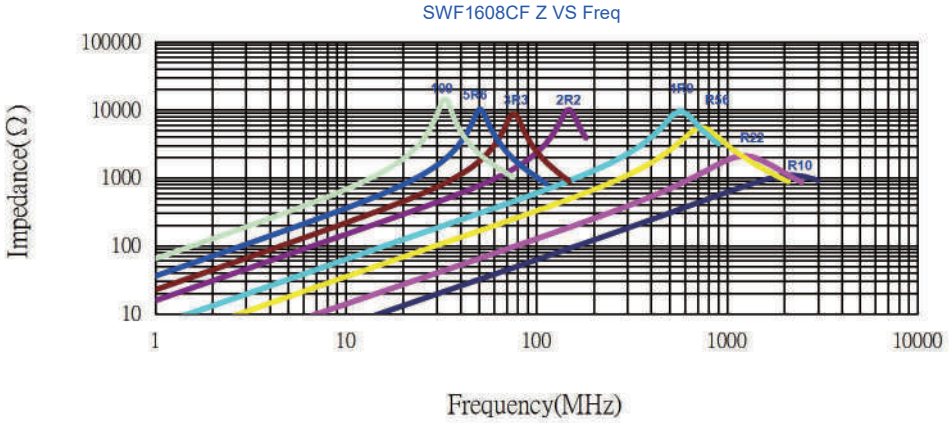
■ Specifications

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	SRF (MHz) min.	DCR (Ω) max.	Rated Current (mA) max.
SWF1608CF-47N□	0.047	K,M	0.5V/7.96M	10	7.96	1500	0.075	1400
SWF1608CF-R10□	0.10	K,M	0.5V/7.96M	10	7.96	1150	0.13	1400
SWF1608CF-R12□	0.12	K,M	0.5V/7.96M	10	7.96	1100	0.15	1400
SWF1608CF-R15□	0.15	K,M	0.5V/7.96M	10	7.96	1050	0.15	1300
SWF1608CF-R18□	0.18	K,M	0.5V/7.96M	10	7.96	950	0.15	1300
SWF1608CF-R22□	0.22	K,M	0.5V/7.96M	10	7.96	800	0.15	950
SWF1608CF-R24□	0.24	K,M	0.5V/7.96M	10	7.96	800	0.31	620
SWF1608CF-R27□	0.27	K,M	0.5V/7.96M	10	7.96	775	0.20	710
SWF1608CF-R33□	0.33	K,M	0.5V/7.96M	10	7.96	725	0.35	620
SWF1608CF-R39□	0.39	K,M	0.5V/7.96M	10	7.96	620	0.39	600
SWF1608CF-R47□	0.47	K,M	0.5V/7.96M	10	7.96	540	0.43	570
SWF1608CF-R56□	0.56	K,M	0.5V/7.96M	10	7.96	525	0.47	550
SWF1608CF-R68□	0.68	K,M	0.5V/7.96M	10	7.96	460	0.52	470
SWF1608CF-R82□	0.82	K,M	0.5V/7.96M	10	7.96	410	0.69	400
SWF1608CF-1R0□	1.0	K,M	0.5V/7.96M	10	7.96	190	0.81	400
SWF1608CF-1R2□	1.2	K,M	0.5V/7.96M	10	7.96	160	0.87	370
SWF1608CF-1R5□	1.5	K,M	0.5V/7.96M	10	7.96	100	0.96	350
SWF1608CF-1R8□	1.8	K,M	0.5V/7.96M	10	7.96	80	1.10	350
SWF1608CF-2R2□	2.2	K,M	0.5V/7.96M	10	7.96	68	1.20	320
SWF1608CF-3R3□	3.3	K,M	0.5V/7.96M	10	7.96	42	1.50	280
SWF1608CF-3R9□	3.9	K,M	0.5V/7.96M	10	7.96	40	1.50	280
SWF1608CF-4R7□	4.7	K,M	0.5V/7.96M	10	7.96	34	2.10	260
SWF1608CF-5R6□	5.6	K,M	0.5V/7.96M	10	7.96	32	2.60	240
SWF1608CF-6R8□	6.8	K,M	0.5V/7.96M	10	7.96	31	3.10	200
SWF1608CF-8R2□	8.2	K,M	0.5V/7.96M	10	7.96	26	4.40	190
SWF1608CF-100□	10.0	K,M	0.5V/2.52M	10	2.52	25	4.80	180

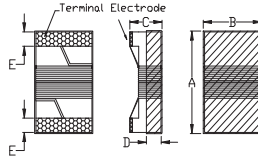
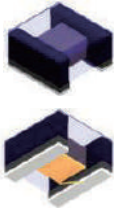
□: K=±10%, M=±20%



■ Impedance vs Frequency, DC Bias Characteristics (Typical)



■ Dimensions



Dimensions	
A	1.60±0.20
B	1.00±0.20
C	1.00±0.10
D	0.60 ref
E	0.35±0.10

Units: mm

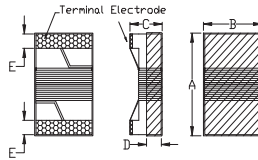
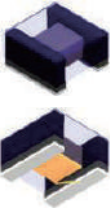
■ Specifications

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q/MHz Typ.	SRF (MHz) Typ.	DCR (Ω) ±30%	IDC (mA) Typ.	I _{rms} (mA) Typ.
SWF1608RIF-1R0□	1.0	K,M	0.5V/7.9M	16/7.9	390	0.32	860	700
SWF1608RIF-1R5□	1.5	K,M	0.5V/7.9M	16/7.9	160	0.40	720	600
SWF1608RIF-2R2□	2.2	K,M	0.5V/7.9M	16/7.9	103	0.56	600	580
SWF1608RIF-3R3□	3.3	K,M	0.5V/7.9M	16/7.9	66	0.70	500	500
SWF1608RIF-4R7□	4.7	K,M	0.5V/7.9M	16/7.9	51	0.97	400	420
SWF1608RIF-6R8□	6.8	K,M	0.5V/7.9M	16/7.9	43	1.50	340	340
SWF1608RIF-100□	10.0	K,M	0.5V/2.5M	14/2.5	36	1.85	280	280
SWF1608RIF-150□	15.0	K,M	0.5V/2.5M	14/2.5	29	2.60	240	240
SWF1608RIF-180□	18.0	K,M	0.5V/2.5M	14/2.5	28	2.90	220	220
SWF1608RIF-220□	22.0	K,M	0.5V/2.5M	14/2.5	24	3.61	200	200

□ : K=±10%, M=±20%



■ Dimensions



Dimensions	
A	2.40 max
B	1.60 max
C	1.40 max
D	0.51 ref
E	0.44±0.10

Units: mm

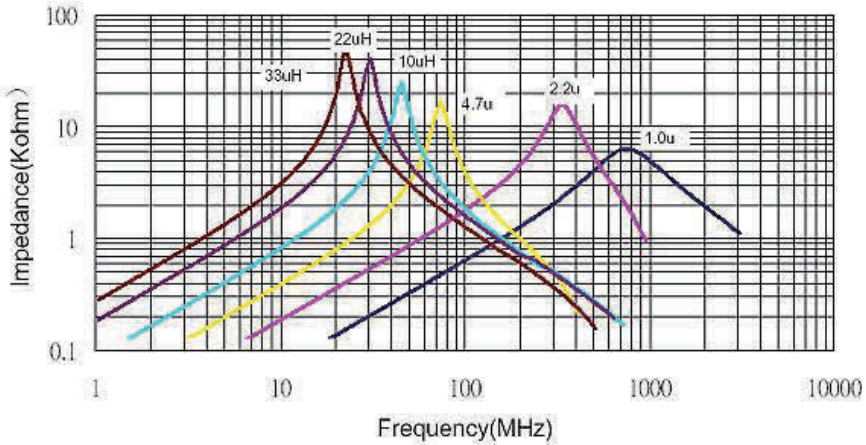
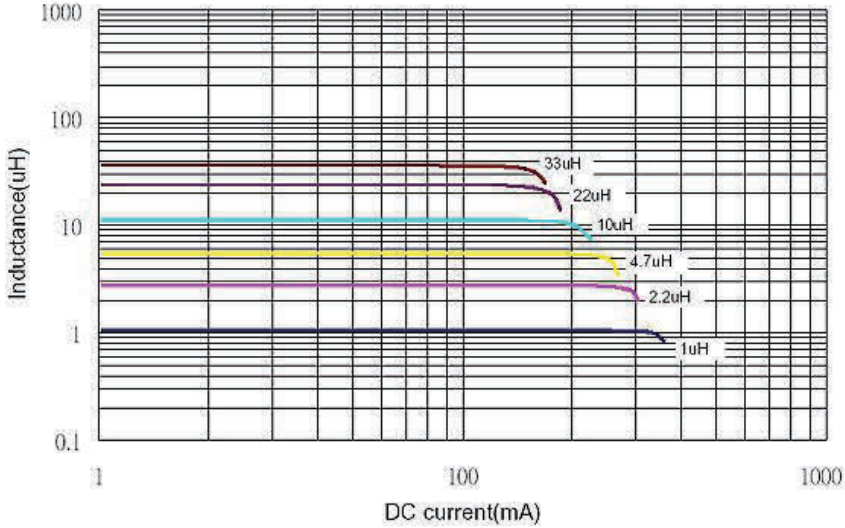
■ Specifications

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	SRF (MHz) min.	DCR (Ω) max.	Rated Current (mA) max.
SWF2012CF-R47□	0.47	K,M	0.5V/7.96M	10	7.96	720	0.20	750
SWF2012CF-R56□	0.56	K,M	0.5V/7.96M	10	7.96	665	0.21	730
SWF2012CF-R68□	0.68	K,M	0.5V/7.96M	10	7.96	565	0.28	670
SWF2012CF-R82□	0.82	K,M	0.5V/7.96M	10	7.96	545	0.31	650
SWF2012CF-1R0□	1.00	K,M	0.5V/7.96M	10	7.96	525	0.34	615
SWF2012CF-1R2□	1.20	K,M	0.5V/7.96M	10	7.96	473	0.39	550
SWF2012CF-1R5□	1.50	K,M	0.5V/7.96M	10	7.96	300	0.45	520
SWF2012CF-1R8□	1.80	K,M	0.5V/7.96M	10	7.96	230	0.48	500
SWF2012CF-2R2□	2.20	K,M	0.5V/7.96M	10	7.96	215	0.67	420
SWF2012CF-2R7□	2.70	K,M	0.5V/7.96M	10	7.96	140	0.74	410
SWF2012CF-3R3□	3.30	K,M	0.5V/7.96M	10	7.96	95	0.81	385
SWF2012CF-3R9□	3.90	K,M	0.5V/7.96M	10	7.96	57	0.88	372
SWF2012CF-4R7□	4.70	K,M	0.5V/7.96M	10	7.96	51	0.99	345
SWF2012CF-5R6□	5.60	K,M	0.5V/7.96M	10	7.96	44	1.06	335
SWF2012CF-6R8□	6.80	K,M	0.5V/7.96M	10	7.96	39	1.21	315
SWF2012CF-8R2□	8.20	K,M	0.5V/7.96M	10	7.96	33	1.33	295
SWF2012CF-100□	10.0	K,M	0.5V/2.52M	10	2.52	30	1.79	260
SWF2012CF-120□	12.0	K,M	0.5V/2.52M	10	2.52	27	1.98	250
SWF2012CF-150□	15.0	K,M	0.5V/2.52M	10	2.52	22	2.68	215
SWF2012CF-180□	18.0	K,M	0.5V/2.52M	10	2.52	20	3.12	195
SWF2012CF-220□	22.0	K,M	0.5V/2.52M	10	2.52	18	3.48	180
SWF2012CF-270□	27.0	K,M	0.5V/2.52M	10	2.52	16	3.84	170
SWF2012CF-330□	33.0	K,M	0.5V/2.52M	10	2.52	15	4.34	145

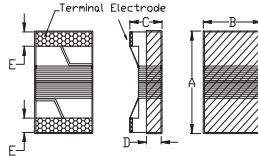
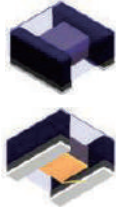
□: K=±10%, M=±20%



■ Impedance vs Frequency, DC Bias Characteristics (Typical)



■ Dimensions



Dimensions	
A	2.20±0.20
B	1.40±0.20
C	1.30±0.10
D	0.65ref
E	0.50±0.10

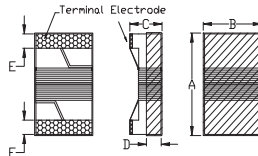
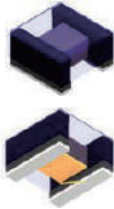
Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q/MHz Typ.	SRF (MHz) Typ.	DCR (Ω) ±30%	IDC (mA) Typ.	I _{rms} (mA) Typ.
SWF2012RIF-1R0□	1.0	K,M	0.5V/7.9M	14/7.9	208	0.13	1100	1300
SWF2012RIF-2R2□	2.2	K,M	0.5V/7.9M	13/7.9	87	0.22	740	1040
SWF2012RIF-4R7□	4.7	K,M	0.5V/7.9M	14/7.9	51	0.43	520	840
SWF2012RIF-6R8□	6.8	K,M	0.5V/7.9M	14/7.9	46	0.68	420	700
SWF2012RIF-100□	10.0	K,M	0.5V/2.5M	14/2.5	31	0.85	360	560
SWF2012RIF-150□	15.0	K,M	0.5V/2.5M	15/2.5	28	1.40	300	380
SWF2012RIF-220□	22.0	K,M	0.5V/2.5M	15/2.5	20	1.76	240	340

□ : K=±10%, M=±20%

■ Dimensions



Dimensions	
A	2.90 max
B	2.50 max
C	2.10 max
D	1.20 ref
E	0.55±0.10

Units: mm

■ Specifications

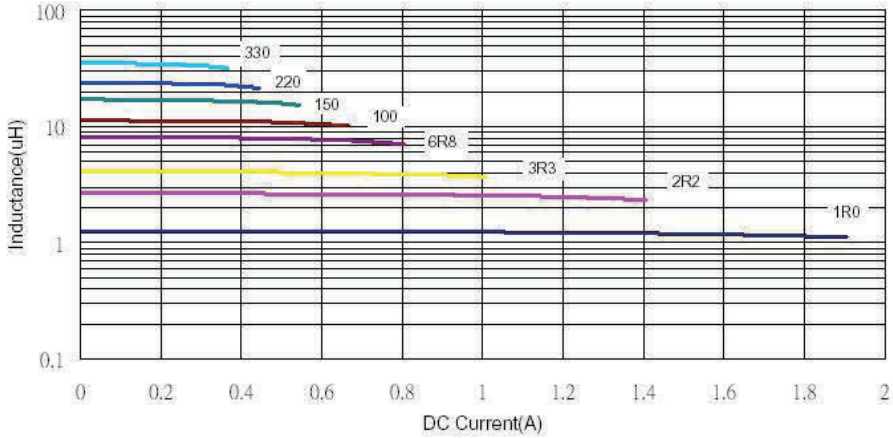
Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	SRF (MHz) min.	DCR (Ω) max.	Rated Current (mA) max.
SWF2520CF-1R0□	1.00	K,M	0.5V/7.96M	12	7.96	345	0.13	1000
SWF2520CF-1R5□	1.50	K,M	0.5V/7.96M	12	7.96	100	0.17	850
SWF2520CF-2R2□	2.20	K,M	0.5V/7.96M	12	7.96	78	0.21	775
SWF2520CF-3R3□	3.30	K,M	0.5V/7.96M	12	7.96	48	0.26	715
SWF2520CF-4R7□	4.70	K,M	0.5V/7.96M	12	7.96	46	0.52	505
SWF2520CF-6R8□	6.80	K,M	0.5V/7.96M	12	7.96	33	0.72	432
SWF2520CF-8R2□	8.20	K,M	0.5V/2.52M	12	2.52	30	0.76	410
SWF2520CF-100□	10.0	K,M	0.5V/2.52M	12	2.52	28	0.86	392
SWF2520CF-150□	15.0	K,M	0.5V/2.52M	12	2.52	21	1.09	342
SWF2520CF-220□	22.0	K,M	0.5V/2.52M	12	2.52	18	1.96	260
SWF2520CF-330□	33.0	K,M	0.5V/2.52M	12	2.52	15	2.47	236

□: K=±10%, M=±20%

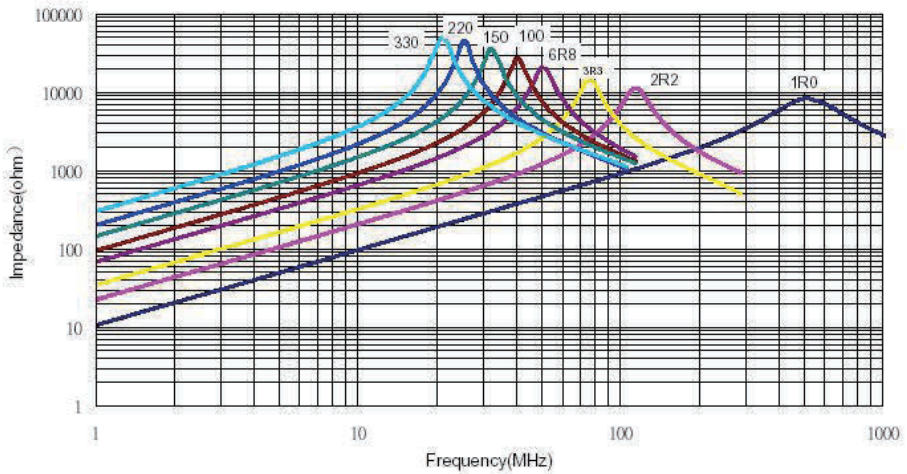


■ Impedance vs Frequency, DC Bias Characteristics (Typical)

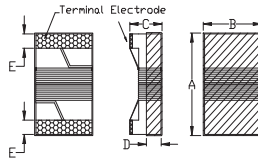
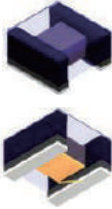
SWF2520CF-Ls Vs IDC



SWF2520CF Z VS Freq



■ Dimensions



Dimensions	
A	3.60 max
B	2.80 max
C	2.60 max
D	0.80 ref
E	0.55±0.10

Units: mm

■ Specifications

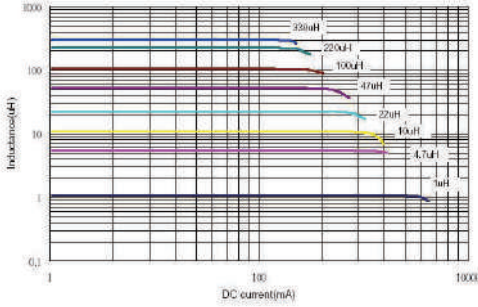
Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	SRF (MHz) min.	DCR (Ω) max.	Rated Current (mA) max.
SWF3225CF-1R0□	1.00	K,M	0.5V/7.96M	10	7.96	290	0.12	1200
SWF3225CF-1R5□	1.50	K,M	0.5V/7.96M	10	7.96	260	0.13	1000
SWF3225CF-2R2□	2.20	K,M	0.5V/7.96M	10	7.96	190	0.17	880
SWF3225CF-3R3□	3.30	K,M	0.5V/7.96M	10	7.96	64	0.22	775
SWF3225CF-4R7□	4.70	K,M	0.5V/7.96M	10	7.96	54	0.26	710
SWF3225CF-6R8□	6.80	K,M	0.5V/7.96M	10	7.96	34	0.30	660
SWF3225CF-100□	10.0	K,M	0.5V/2.52M	10	2.52	25	0.39	570
SWF3225CF-150□	15.0	K,M	0.5V/2.52M	10	2.52	17	0.66	440
SWF3225CF-220□	22.0	K,M	0.5V/2.52M	10	2.52	16	0.82	400
SWF3225CF-330□	33.0	K,M	0.5V/2.52M	10	2.52	12	1.50	285
SWF3225CF-390□	39.0	K,M	0.5V/2.52M	10	2.52	12	1.66	270
SWF3225CF-470□	47.0	K,M	0.5V/2.52M	10	2.52	10	1.90	260
SWF3225CF-680□	68.0	K,M	0.5V/2.52M	10	2.52	9.0	2.29	235
SWF3225CF-101□	100	K,M	0.5V/1M	10	1.00	7.0	3.48	190
SWF3225CF-151□	150	K,M	0.5V/1M	10	1.00	5.0	6.55	140
SWF3225CF-221□	220	K,M	0.5V/1M	10	1.00	4.0	8.23	115
SWF3225CF-331□	330	K,M	0.5V/1M	10	1.00	2.8	13.7	98
SWF3225CF-471□	470	K,M	0.5V/1M	10	1.00	2.6	18.1	86
SWF3225CF-681□	680	K,M	0.5V/1M	10	1.00	2.3	22.0	76

□: K=±10%, M=±20%

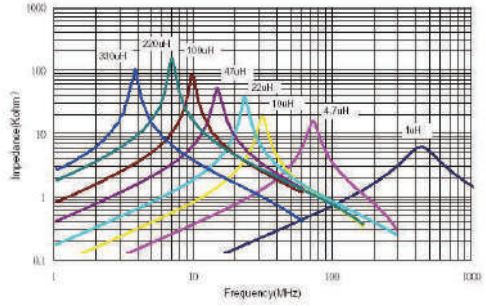


■ Impedance vs Frequency, DC Bias Characteristics (Typical)

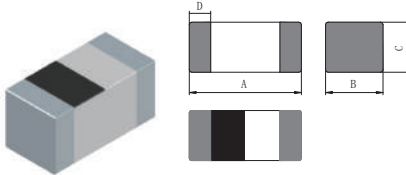
SWF3225CF-Ls Vs IDC



SWF3225CF Z VS Freq



■ Dimensions



Dimensions	
A	0.60±0.05
B	0.30±0.05
C	0.30±0.05
D	0.15±0.05

Units: mm

■ Specifications

Part Number	Inductance (nH)	Test Frequency (Hz)	Q min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
HCI0603LF-0N8S-MS8	0.8±0.3	100M / 50mV	4	500	0.10	>10000
HCI0603LF-1N0S-MS8	1.0±0.3	100M / 50mV	4	470	0.11	>10000
HCI0603LF-1N2S-MS8	1.2±0.3	100M / 50mV	4	450	0.12	>10000
HCI0603LF-1N5S-MS8	1.5±0.3	100M / 50mV	4	430	0.13	>10000
HCI0603LF-1N8S-MS8	1.8±0.3	100M / 50mV	4	390	0.16	>10000
HCI0603LF-2N0S-MS8	2.0±0.3	100M / 50mV	4	380	0.17	>10000
HCI0603LF-2N2S-MS8	2.2±0.3	100M / 50mV	4	360	0.19	8800
HCI0603LF-2N4S-MS8	2.4±0.3	100M / 50mV	4	350	0.20	8300
HCI0603LF-2N7S-MS8	2.7±0.3	100M / 50mV	4	340	0.21	7700
HCI0603LF-3N0S-MS8	3.0±0.3	100M / 50mV	4	330	0.22	7200
HCI0603LF-3N3S-MS8	3.3±0.3	100M / 50mV	4	320	0.23	6700
HCI0603LF-3N6S-MS8	3.6±0.3	100M / 50mV	4	310	0.25	6400
HCI0603LF-3N9S-MS8	3.9±0.3	100M / 50mV	4	300	0.27	6000
HCI0603LF-4N3S-MS8	4.3±0.3	100M / 50mV	4	280	0.30	5700
HCI0603LF-4N7S-MS8	4.7±0.3	100M / 50mV	4	280	0.30	5300

● Rated current: based on temperature rise test

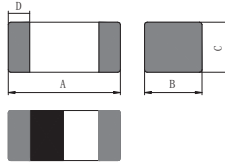
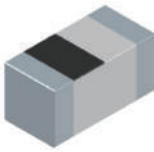


■ Specifications

Part Number	Inductance (nH)	Test Frequency (Hz)	Q min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
HCI0603LF-5N1S-MS8	5.1±0.3	100M / 50mV	4	270	0.33	5000
HCI0603LF-5N6S-MS8	5.6±0.3	100M / 50mV	4	260	0.36	4600
HCI0603LF-6N2S-MS8	6.2±0.3	100M / 50mV	4	250	0.38	4200
HCI0603LF-6N8J-MS8	6.8±5%	100M / 50mV	4	250	0.39	3900
HCI0603LF-7N5J-MS8	7.5±5%	100M / 50mV	4	240	0.41	3600
HCI0603LF-8N2J-MS8	8.2±5%	100M / 50mV	4	230	0.45	3400
HCI0603LF-9N1J-MS8	9.1±5%	100M / 50mV	4	220	0.48	3200
HCI0603LF-10NJ-MS8	10±5%	100M / 50mV	4	220	0.51	2900
HCI0603LF-12NJ-MS8	12±5%	100M / 50mV	4	190	0.68	2700
HCI0603LF-15NJ-MS8	15±5%	100M / 50mV	4	180	0.71	2300
HCI0603LF-18NJ-MS8	18±5%	100M / 50mV	4	170	0.81	2100
HCI0603LF-22NJ-MS8	22±5%	100M / 50mV	4	150	1.00	1800
HCI0603LF-27NJ-MS8	27±5%	100M / 50mV	4	120	1.35	1800
HCI0603LF-33NJ-MS8	33±5%	100M / 50mV	4	110	1.47	1700
HCI0603LF-39NJ-MS8	39±5%	100M / 50mV	4	100	1.72	1500
HCI0603LF-47NJ-MS8	47±5%	100M / 50mV	4	100	1.90	1300
HCI0603LF-56NJ-MS8	56±5%	100M / 50mV	4	80	2.27	1100
HCI0603LF-68NJ-MS8	68±5%	100M / 50mV	4	80	2.66	1100
HCI0603LF-82NJ-MS8	82±5%	100M / 50mV	4	70	3.37	1000

● Rated current: based on temperature rise test

■ Dimensions



Dimensions	
A	1.00±0.15
B	0.50±0.15
C	0.50±0.15
D	0.25±0.10

Units: mm

■ Specifications

Part Number	Inductance (nH)	Test Frequency (Hz)	Q min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
HCI1005LF-1N0S-MS8	1.0±0.3	100M / 50mV	7	400	0.10	10000
HCI1005LF-1N2S-MS8	1.2±0.3	100M / 50mV	7	400	0.10	10000
HCI1005LF-1N5S-MS8	1.5±0.3	100M / 50mV	7	300	0.10	6000
HCI1005LF-1N8S-MS8	1.8±0.3	100M / 50mV	7	300	0.10	6000
HCI1005LF-2N0S-MS8	2.0±0.3	100M / 50mV	7	300	0.20	6000
HCI1005LF-2N2S-MS8	2.2±0.3	100M / 50mV	7	300	0.20	6000
HCI1005LF-2N4S-MS8	2.4±0.3	100M / 50mV	7	300	0.20	6000
HCI1005LF-2N7S-MS8	2.7±0.3	100M / 50mV	7	300	0.20	6000
HCI1005LF-3N0S-MS8	3.0±0.3	100M / 50mV	7	300	0.20	6000
HCI1005LF-3N3S-MS8	3.3±0.3	100M / 50mV	7	300	0.20	6000
HCI1005LF-3N6S-MS8	3.6±0.3	100M / 50mV	7	300	0.20	4000
HCI1005LF-3N9S-MS8	3.9±0.3	100M / 50mV	7	300	0.20	4000
HCI1005LF-4N3S-MS8	4.3±0.3	100M / 50mV	7	300	0.20	4000
HCI1005LF-4N7S-MS8	4.7±0.3	100M / 50mV	7	300	0.20	4000
HCI1005LF-5N1S-MS8	5.1±0.3	100M / 50mV	7	300	0.30	4000

● Rated current: based on temperature rise test




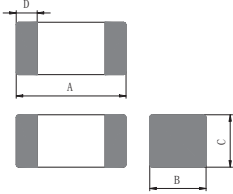
■ Specifications

Part Number	Inductance (nH)	Test Frequency (Hz)	Q min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
HCI1005LF-5N6S-MS8	5.6±0.3	100M / 50mV	7	300	0.30	4000
HCI1005LF-6N2J-MS8	6.2±5%	100M / 50mV	7	300	0.30	3900
HCI1005LF-6N8J-MS8	6.8±5%	100M / 50mV	7	300	0.30	3900
HCI1005LF-7N5J-MS8	7.5±5%	100M / 50mV	7	300	0.40	3700
HCI1005LF-8N2J-MS8	8.2±5%	100M / 50mV	7	300	0.40	3600
HCI1005LF-9N1J-MS8	9.1±5%	100M / 50mV	7	300	0.40	3400
HCI1005LF-10NJ-MS8	10±5%	100M / 50mV	7	300	0.40	3200
HCI1005LF-12NJ-MS8	12±5%	100M / 50mV	8	300	0.50	2700
HCI1005LF-15NJ-MS8	15±5%	100M / 50mV	8	300	0.50	2300
HCI1005LF-18NJ-MS8	18±5%	100M / 50mV	8	300	0.60	2100
HCI1005LF-22NJ-MS8	22±5%	100M / 50mV	8	300	0.60	1900
HCI1005LF-27NJ-MS8	27±5%	100M / 50mV	8	300	0.70	1600
HCI1005LF-33NJ-MS8	33±5%	100M / 50mV	8	200	0.80	1300
HCI1005LF-39NJ-MS8	39±5%	100M / 50mV	8	200	1.00	1200
HCI1005LF-47NJ-MS8	47±5%	100M / 50mV	8	200	1.10	1100
HCI1005LF-56NJ-MS8	56±5%	100M / 50mV	8	200	1.20	750
HCI1005LF-68NJ-MS8	68±5%	100M / 50mV	8	180	1.40	750
HCI1005LF-82NJ-MS8	82±5%	100M / 50mV	8	150	2.40	750
HCI1005LF-R10J-MS8	100±5%	100M / 50mV	8	150	2.60	700
HCI1005LF-R12J-MS8	120±5%	100M / 50mV	8	150	2.80	600
HCI1005LF-R15J-MS8	150±5%	100M / 50mV	8	100	3.20	550
HCI1005LF-R18J-MS8	180±5%	100M / 50mV	8	100	3.70	500
HCI1005LF-R22J-MS8	220±5%	100M / 50mV	8	100	4.00	400
HCI1005LF-R27J-MS8	270±5%	100M / 50mV	8	50	4.50	350
HCI1005LF-R33J-MS8	330±5%	100M / 50mV	8	50	7.00	350

● Rated current: based on temperature rise test



■ Dimensions

Dimensions	
A	1.60±0.20
B	0.80±0.20
C	0.80±0.20
D	0.30±0.20

Units: mm

■ Specifications

Part Number	Inductance (nH)	Test Frequency (Hz)	Q min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
HCI1608LF-1N0S	1.0±0.3	100M / 50mV	8	500	0.05	10000
HCI1608LF-1N2S	1.2±0.3	100M / 50mV	8	500	0.05	10000
HCI1608LF-1N5S	1.5±0.3	100M / 50mV	8	400	0.10	10000
HCI1608LF-1N8S	1.8±0.3	100M / 50mV	8	400	0.12	9800
HCI1608LF-2N2S	2.2±0.3	100M / 50mV	8	400	0.20	7600
HCI1608LF-2N7S	2.7±0.3	100M / 50mV	8	400	0.20	7000
HCI1608LF-3N3S	3.3±0.3	100M / 50mV	8	400	0.20	6200
HCI1608LF-3N9S	3.9±0.3	100M / 50mV	8	400	0.25	5600
HCI1608LF-4N7S	4.7±0.3	100M / 50mV	8	400	0.30	4800
HCI1608LF-5N6S	5.6±0.3	100M / 50mV	8	400	0.30	4600
HCI1608LF-6N8J	6.8±5%	100M / 50mV	8	400	0.35	4200
HCI1608LF-8N2J	8.2±5%	100M / 50mV	8	400	0.35	3600
HCI1608LF-10NJ	10±5%	100M / 50mV	8	300	0.40	3200
HCI1608LF-12NJ	12±5%	100M / 50mV	8	300	0.40	2800
HCI1608LF-15NJ	15±5%	100M / 50mV	8	300	0.45	2600

● Rated current: based on temperature rise test



■ Specifications

Part Number	Inductance (nH)	Test Frequency (Hz)	Q min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
HCI1608LF-18NJ	18±5%	100M / 50mV	8	300	0.60	2400
HCI1608LF-22NJ	22±5%	100M / 50mV	8	300	0.60	2000
HCI1608LF-27NJ	27±5%	100M / 50mV	8	300	0.80	1900
HCI1608LF-33NJ	33±5%	100M / 50mV	8	300	0.80	1600
HCI1608LF-39NJ	39±5%	100M / 50mV	8	300	1.00	1400
HCI1608LF-47NJ	47±5%	100M / 50mV	8	200	1.00	1200
HCI1608LF-56NJ	56±5%	100M / 50mV	8	200	1.00	1000
HCI1608LF-68NJ	68±5%	100M / 50mV	8	200	1.00	900
HCI1608LF-82NJ	82±5%	100M / 50mV	8	200	1.00	800
HCI1608LF-R10J	100±5%	100M / 50mV	8	200	1.40	700
HCI1608LF-R12J	120±5%	100M / 50mV	8	150	1.60	600
HCI1608LF-R15J	150±5%	100M / 50mV	8	150	1.80	500
HCI1608LF-R18J	180±5%	100M / 50mV	8	150	1.80	500

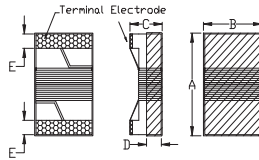
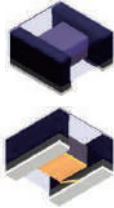
● Rated current: based on temperature rise test

SWI 0402F-HC Series

(0402 inch -40~+125 C)



■ Dimensions



Dimensions	
A	1.09±0.10
B	0.60±0.10
C	0.56±0.10
D	0.20±0.15
E	0.23±0.10

Units: mm

■ Specifications

Part Number	Inductance (nH)	Tolerance	Q min.	Test Frequency (Hz)	Isat (mA) max.	Irms (mA) max.	DCR (Ω) max.	SRF (GHz) min.
SWI0402F-1N2□-HC	1.2	B, C,S,J,K	10	0.2V/250M	640	640	0.140	10.40
SWI0402F-2N2□-HC	2.2	B, C,S,J,K	19	0.2V/250M	960	960	0.070	10.80
SWI0402F-2N4□-HC	2.4	B, C,S,J,K	15	0.2V/250M	790	790	0.068	10.50
SWI0402F-2N7□-HC	2.7	B,C,J,K	16	0.2V/250M	640	640	0.120	10.40
SWI0402F-3N3□-HC	3.3	B,C,J,K	19	0.2V/250M	840	840	0.066	7.00
SWI0402F-3N6□-HC	3.6	B,C,J,K	19	0.2V/250M	840	840	0.066	6.80
SWI0402F-3N9□-HC	3.9	B,C,J,K	19	0.2V/250M	840	840	0.066	6.00
SWI0402F-4N3□-HC	4.3	B,C,J,K	18	0.2V/250M	700	700	0.091	6.00
SWI0402F-4N7□-HC	4.7	B,C,J,K	15	0.2V/250M	640	640	0.130	4.77
SWI0402F-5N6□-HC	5.6	G,J,K	20	0.2V/250M	760	760	0.083	4.80
SWI0402F-6N2□-HC	6.2	G,J,K	20	0.2V/250M	760	760	0.083	4.80
SWI0402F-6N8□-HC	6.8	G,J,K	20	0.2V/250M	680	680	0.083	4.80
SWI0402F-7N5□-HC	7.5	G,J,K	22	0.2V/250M	680	680	0.100	4.80
SWI0402F-8N2□-HC	8.2	G,J,K	22	0.2V/250M	680	680	0.100	4.40
SWI0402F-8N7□-HC	8.7	G,J,K	18	0.2V/250M	480	480	0.200	4.10
SWI0402F-9N0□-HC	9.0	G,J,K	22	0.2V/250M	680	680	0.100	4.16
SWI0402F-9N5□-HC	9.5	G,J,K	18	0.2V/250M	480	480	0.200	4.00
SWI0402F-10N□-HC	10	G,J,K	21	0.2V/250M	480	480	0.200	3.90
SWI0402F-11N□-HC	11	G,J,K	24	0.2V/250M	640	640	0.120	3.68
SWI0402F-12N□-HC	12	G,J,K	24	0.2V/250M	640	640	0.120	3.60
SWI0402F-13N□-HC	13	G,J,K	24	0.2V/250M	440	440	0.210	3.45
SWI0402F-15N□-HC	15	G,J,K	24	0.2V/250M	560	560	0.170	3.28
SWI0402F-16N□-HC	16	G,J,K	24	0.2V/250M	560	560	0.220	3.10
SWI0402F-18N□-HC	18	G,J,K	25	0.2V/250M	420	420	0.230	3.10
SWI0402F-19N□-HC	19	G,J,K	24	0.2V/250M	480	480	0.200	3.04

□ : B=±0.1nH, C±0.2nH,S=±0.3nH , G=±2%, J=±5%, K=±10%



■ Specifications

Part Number	Inductance (nH)	Tolerance	Q min.	Test Frequency (Hz)	Isat (mA) max.	Irms (mA) max.	DCR (Ω) max.	SRF (GHz) min.
SWI0402F-20N□-HC	20	G,J,K	25	0.2V/250M	420	420	0.250	3.00
SWI0402F-22N□-HC	22	G,J,K	25	0.2V/250M	400	400	0.300	2.80
SWI0402F-23N□-HC	23	G,J,K	22	0.2V/250M	400	400	0.300	2.72
SWI0402F-24N□-HC	24	G,J,K	25	0.2V/250M	400	400	0.300	2.70
SWI0402F-27N□-HC	27	G,J,K	24	0.2V/250M	400	400	0.300	2.48
SWI0402F-30N□-HC	30	G,J,K	25	0.2V/250M	400	400	0.350	2.35
SWI0402F-33N□-HC	33	G,J,K	24	0.2V/250M	400	400	0.400	2.35
SWI0402F-36N□-HC	36	G,J,K	24	0.2V/250M	320	320	0.440	2.32
SWI0402F-39N□-HC	39	G,J,K	25	0.2V/250M	200	200	0.550	2.10
SWI0402F-40N□-HC	40	G,J,K	24	0.2V/250M	320	320	0.650	2.24
SWI0402F-43N□-HC	43	G,J,K	25	0.2V/250M	100	100	0.810	2.03
SWI0402F-47N□-HC	47	G,J,K	25	0.2V/250M	150	150	0.830	2.10
SWI0402F-51N□-HC	51	G,J,K	25	0.2V/250M	100	100	0.820	1.75
SWI0402F-56N□-HC	56	G,J,K	22	0.2V/250M	100	100	0.970	1.76
SWI0402F-68N□-HC	68	G,J,K	22	0.2V/250M	100	100	1.120	1.62
SWI0402F-77N□-HC	77	G,J,K	22	0.2V/250M	50	50	1.800	1.26
SWI0402F-82N□-HC	82	G,J,K	22	0.2V/250M	50	50	1.550	1.26
SWI0402F-R10□-HC	100	G,J,K	22	0.2V/250M	30	30	2.000	1.16
SWI0402F-R12□-HC	120	G,J,K	22	0.2V/250M	50	50	2.400	1.00

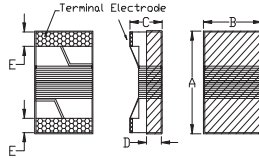
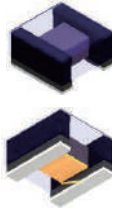
□ : B=±0.1nH, C±0.2nH,S=±0.3nH , G=±2%, J=±5%, K=±10%

Note:

Rated Current: 15°C rise above 25°C ambient.



■ Dimensions



Dimensions	
A	1.80 max
B	1.20 max
C	1.20 max
D	0.38 ref
E	0.35±0.10

Units: mm

■ Specifications

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ 250MHz min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
SWI0603F-2N0□	2.0	C,S	0.1V/250M	13	700	0.07	8000
SWI0603F-3N9□	3.9	C,S	0.1V/250M	22	700	0.07	6900
SWI0603F-4N7□	4.7	C,J,K	0.1V/250M	20	700	0.12	5800
SWI0603F-6N8□	6.8	C,J,K	0.1V/250M	27	700	0.08	5800
SWI0603F-8N2□	8.2	C,J,K	0.1V/250M	30	700	0.13	4200
SWI0603F-10N□	10	J,K	0.1V/250M	31	700	0.13	4800
SWI0603F-12N□	12	J,K	0.1V/250M	35	700	0.13	4000
SWI0603F-15N□	15	J,K	0.1V/250M	35	700	0.13	4000
SWI0603F-18N□	18	J,K	0.1V/250M	35	700	0.16	3100
SWI0603F-22N□	22	J,K	0.1V/250M	38	700	0.23	3000
SWI0603F-24N□	24	J,K	0.1V/250M	38	700	0.13	2800
SWI0603F-27N□	27	J,K	0.1V/250M	40	600	0.14	2800
SWI0603F-33N□	33	J,K	0.1V/250M	40	600	0.22	2300
SWI0603F-39N□	39	J,K	0.1V/250M	40	600	0.30	2200
SWI0603F-47N□	47	J,K	0.1V/200M	38	600	0.35	2000
SWI0603F-56N□	56	J,K	0.1V/200M	38	600	0.37	1900
SWI0603F-68N□	68	J,K	0.1V/200M	37	600	0.43	1700
SWI0603F-72N□	72	J,K	0.1V/150M	34	400	0.42	1700
SWI0603F-82N□	82	J,K	0.1V/150M	34	400	0.71	1700

□ : C±0.2nH,S=±0.3nH , J,±5%, K=±10%



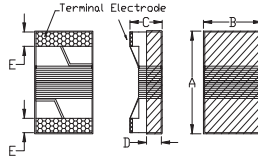
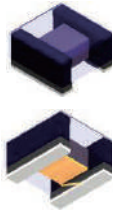
■ Specifications

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ 250MHz Min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
SWI0603F-R10□	100	J,K	0.1V/150M	34	400	0.78	1400
SWI0603F-R12□	120	J,K	0.1V/150M	32	300	0.84	1300
SWI0603F-R15□	150	J,K	0.1V/150M	28	280	0.96	990
SWI0603F-R18□	180	J,K	0.1V/100M	25	240	1.52	990
SWI0603F-R22□	220	J,K	0.1V/100M	25	200	2.02	900
SWI0603F-R27□	270	J,K	0.1V/100M	24	170	2.36	900
SWI0603F-R33□	330	J,K	0.1V/100M	24	185	3.40	700
SWI0603F-R39□	390	J,K	0.1V/100M	24	100	3.60	900

□ : C±0.2nH,S=±0.3nH , J=±5%, K=±10%



■ Dimensions



Dimensions	
A	2.40 max
B	1.60 max
C	1.40 max
D	0.51 ref
E	0.44±0.10

Units: mm

■ Specifications

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ Test Freq min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
SWI0805F-2N0□	2.0	C,S	0.1V/250M	70/1500	800	0.03	8000
SWI0805F-3N9□	3.9	C,S	0.1V/250M	70/1500	800	0.04	5750
SWI0805F-4N7□	4.7	C,S	0.1V/250M	70/1500	800	0.04	5750
SWI0805F-6N8□	6.8	C,J,K	0.1V/250M	70/1500	800	0.06	5500
SWI0805F-7N5□	7.5	C,J,K	0.1V/250M	70/1000	800	0.06	4500
SWI0805F-8N2□	8.2	C,J,K	0.1V/250M	70/1000	800	0.06	4700
SWI0805F-10N□	10	J,K	0.1V/250M	70/1000	600	0.08	4200
SWI0805F-12N□	12	J,K	0.1V/250M	80/1000	600	0.08	4000
SWI0805F-15N□	15	J,K	0.1V/250M	80/1000	600	0.10	3400
SWI0805F-18N□	18	J,K	0.1V/250M	80/1000	600	0.10	3300
SWI0805F-22N□	22	J,K	0.1V/250M	60/500	600	0.12	2600
SWI0805F-24N□	24	J,K	0.1V/250M	60/500	600	0.12	2000
SWI0805F-27N□	27	J,K	0.1V/250M	60/500	600	0.12	2500
SWI0805F-33N□	33	J,K	0.1V/250M	60/500	600	0.13	2050
SWI0805F-36N□	36	J,K	0.1V/250M	65/500	600	0.13	1700
SWI0805F-39N□	39	J,K	0.1V/250M	65/500	600	0.15	2000
SWI0805F-43N□	43	J,K	0.1V/200M	65/500	600	0.15	1650
SWI0805F-47N□	47	J,K	0.1V/200M	65/500	600	0.17	1650
SWI0805F-56N□	56	J,K	0.1V/200M	65/500	600	0.19	1550

□: C=±0.2nH, S=±0.3nH, J=±5%, K=±10%

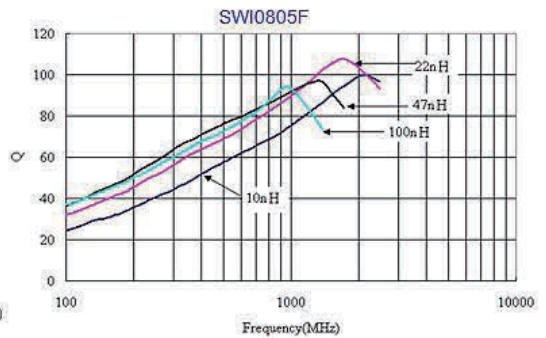
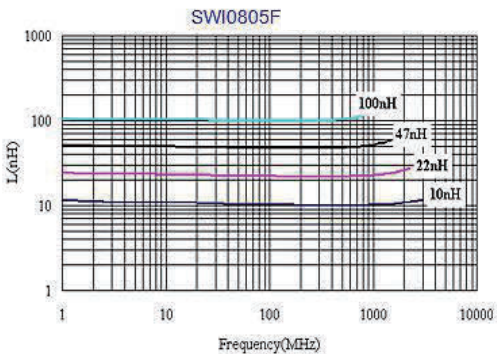


■ Specifications

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ Test Freq min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
SWI0805F-68N□	68	J,K	0.1V/200M	60/500	500	0.22	1450
SWI0805F-82N□	82	J,K	0.1V/150M	55/500	400	0.40	1300
SWI0805F-R10□	100	J,K	0.1V/150M	55/500	400	0.52	1200
SWI0805F-R11□	110	J,K	0.1V/150M	55/500	400	0.52	1200
SWI0805F-R12□	120	J,K	0.1V/150M	50/250	400	0.55	1100
SWI0805F-R15□	150	J,K	0.1V/150M	50/250	400	0.73	920
SWI0805F-R18□	180	J,K	0.1V/100M	50/250	400	0.88	870
SWI0805F-R22□	220	J,K	0.1V/100M	50/250	340	1.18	850
SWI0805F-R24□	240	J,K	0.1V/100M	48/250	330	1.20	690
SWI0805F-R27□	270	J,K	0.1V/100M	48/250	310	1.36	650
SWI0805F-R33□	330	J,K	0.1V/100M	40/250	300	1.40	600
SWI0805F-R39□	390	J,K	0.1V/100M	25/250	290	1.50	560
SWI0805F-R47□	470	J,K	0.1V/50M	25/100	250	1.76	375
SWI0805F-R56□	560	J,K	0.1V/25M	23/100	210	1.90	340
SWI0805F-R62□	620	J,K	0.1V/25M	23/100	205	2.00	220
SWI0805F-R68□	680	J,K	0.1V/25M	23/100	200	2.15	200
SWI0805F-R75□	750	J,K	0.1V/25M	20/100	185	2.25	200
SWI0805F-R82□	820	J,K	0.1V/25M	20/100	170	2.50	200
SWI0805F-1R0□	1000	J,K	0.1V/25M	15/50	170	2.60	100

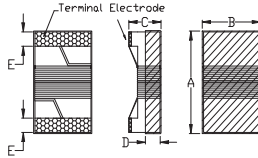
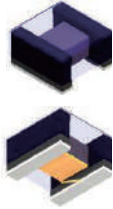
□: C=±0.2nH, S=±0.3nH, J=±5%, K=±10%

■ Inductance vs Frequency, Q vs Frequency, (Typical)





■ Dimensions



Dimensions	
A	2.92 max
B	2.79 max
C	2.20 max
D	1.20 ref
E	0.55±0.10

Units: mm

■ Specifications

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ Test Freq min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
SWI1008UF-10□	10	G, J, K	0.1V/50M	50/500	1000	0.08	4100
SWI1008UF-12□	12	G, J, K	0.1V/50M	50/500	1000	0.09	3300
SWI1008UF-15□	15	G, J, K	0.1V/50M	50/500	1000	0.18	2500
SWI1008UF-18□	18	G, J, K	0.1V/50M	50/350	1000	0.11	2500
SWI1008UF-22□	22	G, J, K	0.1V/50M	55/350	1000	0.12	2400
SWI1008UF-27□	27	G, J, K	0.1V/50M	55/350	1000	0.13	1600
SWI1008UF-33□	33	G, J, K	0.1V/50M	60/350	1000	0.14	1600
SWI1008UF-39□	39	G, J, K	0.1V/50M	60/350	1000	0.15	1500
SWI1008UF-47□	47	G, J, K	0.1V/50M	65/350	1000	0.16	1500
SWI1008UF-56□	56	G, J,K	0.1V/50M	65/350	1000	0.18	1300
SWI1008UF-68□	68	G, J,K	0.1V/50M	65/350	1000	0.20	1300
SWI1008UF-82□	82	G, J,K	0.1V/50M	60/350	1000	0.22	1000
SWI1008UF-R10□	100	G, J,K	0.1V/25M	60/350	650	0.56	1000
SWI1008UF-R12□	120	G, J,K	0.1V/25M	60/350	650	0.63	950
SWI1008UF-R15□	150	G, J,K	0.1V/25M	45/100	580	0.70	850
SWI1008UF-R18□	180	G, J,K	0.1V/25M	45/100	620	0.77	750
SWI1008UF-R22□	220	G, J,K	0.1V/25M	45/100	500	0.84	700
SWI1008UF-R27□	270	G, J,K	0.1V/25M	45/100	500	0.91	600
SWI1008UF-R33□	330	G, J,K	0.1V/25M	45/100	450	1.05	570

□: G=±2%, J=±5%, K=±10%

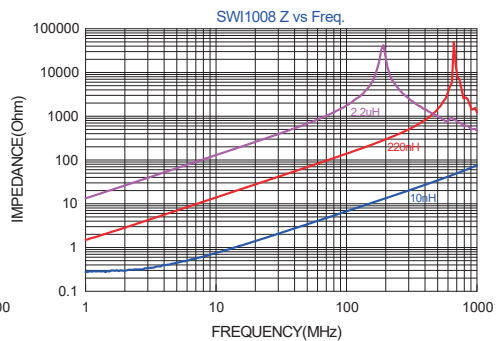
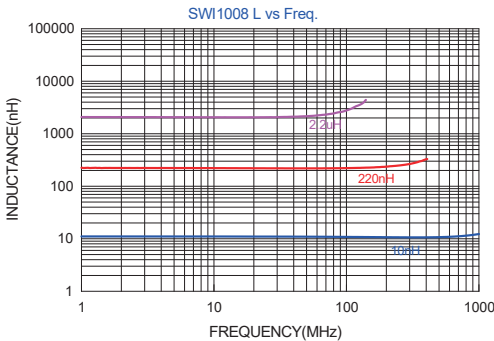


■ Specifications

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ Test Freq min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
SWI1008UF-R39□	390	G, J,K	0.1V/25M	45/100	470	1.12	500
SWI1008UF-R47□	470	G, J,K	0.1V/25M	45/100	470	1.19	450
SWI1008UF-R56□	560	G, J,K	0.1V/25M	45/100	400	1.33	415
SWI1008UF-R62□	620	G, J,K	0.1V/25M	45/100	300	1.40	375
SWI1008UF-R68□	680	G, J,K	0.1V/25M	45/100	400	1.47	375
SWI1008UF-R75□	750	G, J,K	0.1V/25M	45/100	360	1.54	360
SWI1008UF-R82□	820	G, J,K	0.1V/25M	45/100	400	1.61	350
SWI1008UF-R91□	910	G, J,K	0.1V/25M	35/50	380	1.68	320
SWI1008UF-1R0□	1000	G, J,K	0.1V/25M	35/50	370	1.75	290
SWI1008UF-1R2□	1200	G, J,K	0.1V/7.9M	35/50	310	2.00	250
SWI1008UF-1R5□	1500	G, J,K	0.1V/7.9M	28/50	330	2.23	200
SWI1008UF-1R8□	1800	G, J,K	0.1V/7.9M	28/50	300	2.60	160
SWI1008UF-2R2□	2200	G, J,K	0.1V/7.9M	28/50	280	2.80	160
SWI1008UF-2R7□	2700	G, J,K	0.1V/7.9M	22/25	290	3.20	140
SWI1008UF-3R3□	3300	G, J,K	0.1V/7.9M	22/25	290	3.40	110
SWI1008UF-3R9□	3900	G, J,K	0.1V/7.9M	20/25	260	3.6	100
SWI1008UF-4R7□	4700	G, J,K	0.1V/7.9M	18/7.9	200	4.0	32
SWI1008UF-5R6□	5600	G, J,K	0.1V/7.9M	18/7.9	200	4.0	25
SWI1008UF-6R8□	6800	G, J,K	0.1V/7.9M	18/7.9	200	4.9	21
SWI1008UF-8R2□	8200	G, J,K	0.1V/7.9M	16 /7.9	170	6.0	16
SWI1008UF-100□	10000	G, J,K	0.1V/2.52M	15/7.9	170	8.0	14


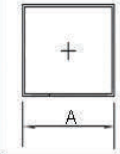
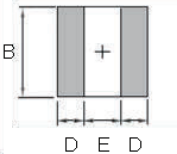

□: G=±2%, J=±5%, K=±10%

Inductance vs Frequency, Impedance vs Frequency, (Typical)





■ Dimensions

Dimensions	
A	2.00±0.20
B	1.60±0.20
C	1.50 max
D	0.60 ref
E	0.80 ref

Units: mm

■ Specifications

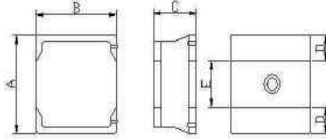
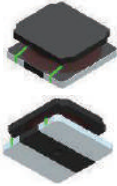
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max.	Rated current (mA) Max.
PAS201615F-102M	1000	±20	10K/1V	38	20

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



■ Dimensions



Dimensions	
A	3.00±0.20
B	3.00±0.20
C	1.00 max
D	1.00 ref
E	1.00 ref

Units: mm

■ Specifications

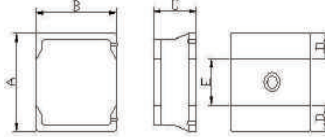
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max.	Rated current (mA) Max.
PAS3010EF-281K	280	±10	10K/1V	17.8	50

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



■ Dimensions



Dimensions	
A	3.00±0.20
B	3.00±0.20
C	1.20 max
D	1.00 ref
E	1.00 ref

Units: mm

■ Specifications

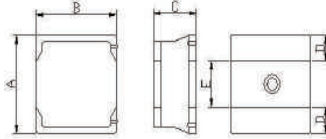
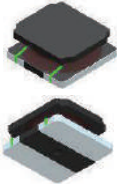
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max.	Rated current (mA) Max.
PAS3012EF-501M	500	±20	10K/1V	18	80
PAS3012EF-681K	680	±10	10K/1V	22	80

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



■ Dimensions



Dimensions	
A	3.00±0.20
B	3.00±0.20
C	1.50 max
D	1.00 ref
E	1.00 ref

Units: mm

■ Specifications

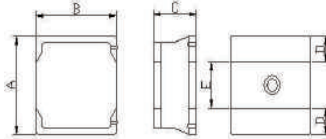
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max.	Rated current (mA) Max.
PAS3015EF-122K	1200	±10	10K/1V	39	80

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



■ Dimensions



Dimensions	
A	4.00±0.20
B	4.00±0.20
C	1.80 max
D	1.20 ref
E	1.60 ref

Units: mm

■ Specifications

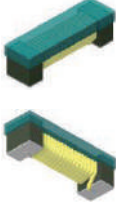
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max.	Rated current (mA) Max.
PAS4018EF-102M	1000	±20	10K/1V	13	60


Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



■ Dimensions





Dimensions	
A	4.75±0.20
A'	4.40±0.20
B	2.25±0.20
B'	2.00±0.20
C	1.80±0.30
C'	1.80±0.20
D	0.80 ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance	fL0 (kHz)	SRF MHz(min)	RDC (Ω)Max.	Rated current (mA) max.
PAS4420F-301□-F10	300	K,M	10	2.0	14	70
PAS4420F-401□-F10	400	K,M	10	1.5	17	50
PAS4420F-252□-F10	2500	K,M	10	1.0	82	40
PAS4420F-352□-F10	3500	K,M	10	1.0	85	20

□: K=±10%, M=±20%

Note:

1. Test frequency : Inductor(L) : 10KHz /0.1V;
2. All test data referenced to 25°C ambient.
3. Testing Instrument : L/Q: Agilent-4192A, Agilent-16334A ; Irms:CH3302,CH1320 ; SRF: Agilent-4291B ; Rdc: Agilent-34420A
4. Rated Current (Irms) will cause the coil temperature rise approximately Δt of 20°C .

■ Dimensions

Dimensions	
A	6.40±0.30
B	2.30±0.20
C	1.80±0.20
D	0.90 ref
E	0.50 ref

Units: mm

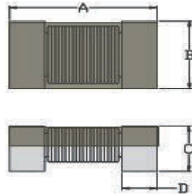
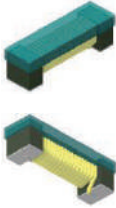
■ Specifications

Part Number	Inductance (uH)	fL0 (kHz)	SRF KHz(min)	RDC(Ω) MAX	Rated current (mA)Max.
PAS6420F-522J	5200 ± 5%	125	520	113	30
PAS6420F-622J	6200 ± 5%	125	488	123	30
PAS6420F-702J	7000 ± 5%	125	420	125	20
PAS6420F-722K	7200 ± 10%	125	450	130	15

Note:

1. Test frequency : Inductor(L) : 125KHz /0.1V;
2. All test data referenced to 25°C ambient.
3. Testing Instrument : L/Q: Agilent-4192A, Agilent-16334A ; Irms:CH3302,CH1320 ; SRF: Agilent-4291B ; Rdc: Agilent-34420A
4. Rated Current will cause the coil temperature rise approximately Δt of 20°C .

■ Dimensions



Dimensions	
A	7.85max
B	2.70max
C	2.70max
D	1.15 ref

Units: mm

■ Specifications

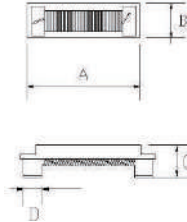
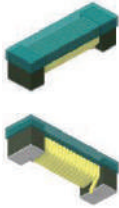
Part Number	Inductance (mH) ±5%	Test Frequency (Hz)	Q Typ.	RDC (Ω) max	Rated current (mA)Max.
PAS8027F-452J	4.5	125K	30	80	20
PAS8027F-492J	4.9	125K	30	85	20
PAS8027F-722J	7.2	125K	35	105	20
PAS8027F-193J	18.52	125K	35	240	20

Note:

1. Test frequency : Inductor(L) : 125KHz /0.1V;
2. All test data referenced to 25°C ambient.
3. Testing Instrument : L/Q: Agilent-4192A, Agilent-16334A ; Irms:CH3302,CH1320 ; SRF: Agilent-4291B ; Rdc: Agilent-34420A
4. Rated Current (Irms) will cause the coil temperature rise approximately Δt of 20°C .



■ Dimensions



Dimensions	
A	11.60±0.30
B	3.80±0.30
C	2.50±0.30
D	1.50 ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Test Frequency (Hz)	Q min.	RDC (Ω)max.	Rated current (mA) max.	SRF (MHz) min.
PAS1225F-101K	100 ± 10%	0.1V/125K	20	3	300	20
PAS1225F-232M	2300 ± 20%	0.1V/125K	40	40	50	0.48
PAS1225F-492J	4900 ± 5%	0.1V/125K	20	50	50	0.34
PAS1225F-722J	7200 ± 5%	0.1V/125K	40	40	50	0.30

Note:

1. All test data referenced to 25°C ambient.
2. Testing Instrument : L/Q: Agilent-4192A, Agilent-16334A ; I rms:CH3302,CH1320 ; SRF: Agilent-4291B ; Rdc: Agilent-34420A
3. Rated Current (I rms) will cause the coil temperature rise approximately Δt of 20°C



■ Dimensions

Dimensions	
A	1.60±0.15
B	0.80±0.15
C	0.95 max
D	0.30±0.20

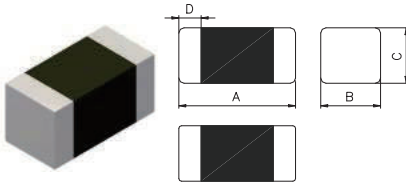
Units: mm

■ Specifications

Part Number	Inductance (μH)	Test Frequency (Hz)	Rated Current (mA) max.	DC Resistance(Ω)	
				max.	typ.
CPI160809UF-R33M-0A3	0.33±20%	1M / 60mV	350	0.35	0.27
CPI160809UF-R50M-0A9	0.50±20%	1M / 60mV	900	0.15	0.12
CPI160809UF-1R0M-0A7	1.00±20%	1M / 60mV	750	0.20	0.17
CPI160809UF-2R2M-0A6	2.20±20%	1M / 60mV	650	0.30	0.27



■ Dimensions



Dimensions	
A	2.00±0.20
B	1.25±0.20
C	1.00 max
D	0.50±0.30

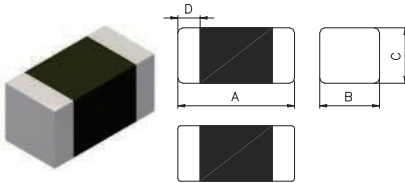
Units: mm

■ Specifications

Part Number	Inductance (uH)	Test Frequency (Hz)	Rated Current (mA) max.	DC Resistance(Ω)	
				max.	typ.
CPI201210UF-R47M-1A2	0.47±20%	1M / 60mV	1200	0.08	0.06
CPI201210UF-1R0M-1A0	1.00±20%	1M / 60mV	1000	0.14	0.11
CPI201210UF-1R5M-0A8	1.50±20%	1M / 60mV	800	0.20	0.15
CPI201210UF-2R2M-0A8	2.20±20%	1M / 60mV	800	0.20	0.15
CPI201210UF-3R3M-0A7	3.30±20%	1M / 60mV	700	0.24	0.20
CPI201210UF-4R7M-0A7	4.70±20%	1M / 60mV	700	0.28	0.23



■ Dimensions



Dimensions	
A	2.00±0.20
B	1.60±0.20
C	1.00 max
D	0.50±0.30

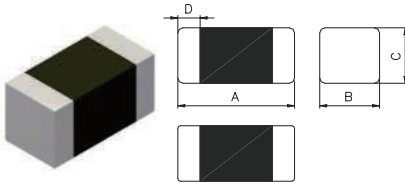
Units: mm

■ Specifications

Part Number	Inductance (uH)	Test Frequency (Hz)	Rated Current (mA) max.	DC Resistance(Ω)	
				max.	typ.
CPI201610UF-R47M-1A6	0.47±20%	1M / 60mV	1600	0.075	0.06
CPI201610UF-1R0M-1A3	1.00±20%	1M / 60mV	1300	0.12	0.09
CPI201610UF-1R5M-1A2	1.50±20%	1M / 60mV	1200	0.13	0.10
CPI201610UF-2R2M-1A2	2.20±20%	1M / 60mV	1200	0.14	0.11
CPI201610UF-3R3M-1A1	3.30±20%	1M / 60mV	1100	0.16	0.13
CPI201610UF-4R7M-0A9	4.70±20%	1M / 60mV	900	0.20	0.16



■ Dimensions



Dimensions	
A	2.50±0.20
B	2.00±0.20
C	1.00 max
D	0.50±0.30

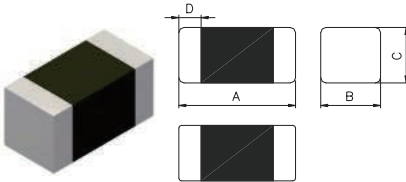
Units: mm

■ Specifications

Part Number	Inductance (μH)	Test Frequency (Hz)	Rated Current (mA) max.	DC Resistance(Ω)	
				max.	typ.
CPI252010UF-R47M-1A8	0.47±20%	1M / 60mV	1800	0.05	0.04
CPI252010UF-1R0M-1A4	1.00±20%	1M / 60mV	1400	0.08	0.065
CPI252010UF-1R5M-1A3	1.50±20%	1M / 60mV	1300	0.09	0.075
CPI252010UF-2R2M-1A3	2.20±20%	1M / 60mV	1300	0.09	0.075
CPI252010UF-3R3M-1A2	3.30±20%	1M / 60mV	1200	0.12	0.09
CPI252010UF-4R7M-1A1	4.70±20%	1M / 60mV	1100	0.15	0.12



■ Dimensions



Dimensions	
A	1.60±0.15
B	0.80±0.15
C	0.95 max
D	0.30±0.20

Units: mm

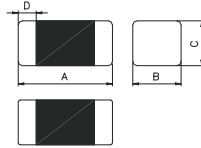
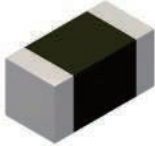
■ Specifications

Part Number	Inductance (µH)	Test Frequency (Hz)	Rated Current (mA) max.	DCR (Ω) max.
FCH160808SF-1R0M	1.0±20%	1M/60mV	1700	0.08
FCH160808SF-2R2M	2.2±20%	1M/60mV	1300	0.13
FCH160808SF-4R7M	4.7±20%	1M/60mV	1000	0.20

I_{rms}:DC current that causes temperature rise(ΔT 40°C) from 25°C ambient.



■ Dimensions



Dimensions	
A	1.60±0.15
B	0.80±0.15
C	0.95 max.
D	0.30±0.20

Units: mm

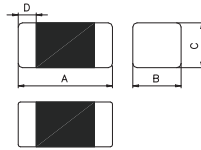
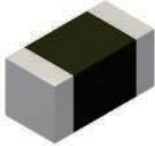
■ Specifications

Part Number	Inductance (uH)	Test Frequency (Hz)	Rated Current (mA) max.	DC Resistance (Ω)	
				max.	typ.
MPI160809MF-1R0M-1A0	1.00±20%	1M / 60mV	1000	0.23	0.18
MPI160809MF-1R5M-0A8	1.50±20%	1M / 60mV	800	0.28	0.22
MPI160809MF-2R2M-0A7	2.20±20%	1M / 60mV	700	0.39	0.30
MPI160809MF-4R7M-0A5	4.70±20%	1M / 60mV	500	0.65	0.50

- Irms: DC current that causes temperature rise(ΔT 40°C) from 25°C ambient.



■ Dimensions



Dimensions	
A	1.60±0.15
B	0.80±0.15
C	0.95 max.
D	0.30±0.20

Units: mm

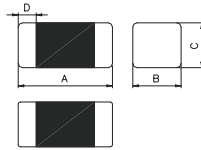
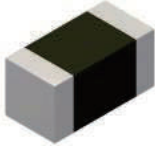
■ Specifications

Part Number	Inductance (uH)	Test Frequency (Hz)	Rated Current (mA) max.	DC Resistance (Ω)	
				max.	typ.
MPI160809SF-1R0M-0A9	1.00±20%	1M / 60mV	950	0.26	0.20
MPI160809SF-2R2M-0A7	2.20±20%	1M / 60mV	750	0.52	0.40
MPI160809SF-4R7M-0A3	4.70±20%	1M / 60mV	350	0.78	0.60

- Irms: DC current that causes temperature rise(ΔT 40°C) from 25°C ambient.



■ Dimensions



Dimensions	
A	2.00±0.20
B	1.25±0.20
C	1.00 max.
D	0.50±0.30

Units: mm

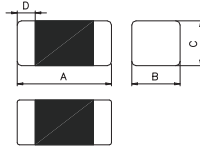
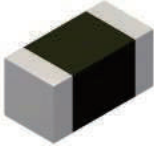
■ Specifications

Part Number	Inductance (uH)	Test Frequency (Hz)	Rated Current (mA) max.	DC Resistance (Ω)	
				max.	typ.
MPI201210MF-1R0M-1A4	1.00±20%	1M / 60mV	1400	0.19	0.15
MPI201210MF-1R5M-1A3	1.50±20%	1M / 60mV	1300	0.20	0.16
MPI201210MF-2R2M-1A2	2.20±20%	1M / 60mV	1200	0.26	0.20
MPI201210MF-4R7M-1A0	4.70±20%	1M / 60mV	1000	0.32	0.25

- Irms: DC current that causes temperature rise(ΔT 40°C) from 25°C ambient.



■ Dimensions



Dimensions	
A	2.00±0.20
B	1.25±0.20
C	1.00 max.
D	0.50±0.30

Units: mm

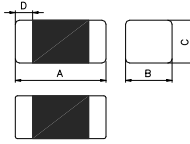
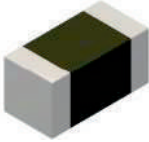
■ Specifications

Part Number	Inductance (uH)	Test Frequency (Hz)	Rated Current (mA) max.	DC Resistance (Ω)	
				max.	typ.
MPI201210SF-1R0M-1A0	1.00±20%	1M / 60mV	1000	0.26	0.20
MPI201210SF-2R2M-0A9	2.20±20%	1M / 60mV	900	0.36	0.28
MPI201210SF-4R7M-0A8	4.70±20%	1M / 60mV	800	0.39	0.30

- Irms: DC current that causes temperature rise(ΔT 40°C) from 25°C ambient.



■ Dimensions



Dimensions	
A	2.00±0.20
B	1.60±0.20
C	1.00 max.
D	0.50±0.30

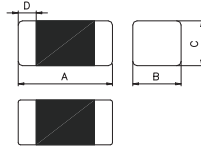
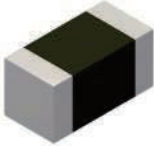
Units: mm

■ Specifications

Part Number	Inductance (µH)	Test Frequency (Hz)	Rated Current (mA) max.	DC Resistance (Ω)	
				max.	typ.
MPI201610MF-1R0M-1A4	1.00±20%	1M / 60mV	1400	0.14	0.11
MPI201610MF-1R5M-1A2	1.50±20%	1M / 60mV	1200	0.19	0.15
MPI201610MF-2R2M-1A2	2.20±20%	1M / 60mV	1200	0.26	0.20
MPI201610MF-4R7M-1A1	4.70±20%	1M / 60mV	1100	0.45	0.35

● Irms: DC current that causes temperature rise(ΔT 40°C) from 25°C ambient.

■ Dimensions



Dimensions	
A	2.00±0.20
B	1.60±0.20
C	1.00 max.
D	0.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Test Frequency (Hz)	Rated Current (mA) max.	DC Resistance (Ω)	
				max.	typ.
MPI201610SF-1R0M-1A1	1.00±20%	1M / 60mV	1100	0.18	0.14
MPI201610SF-2R2M-0A8	2.20±20%	1M / 60mV	850	0.28	0.22

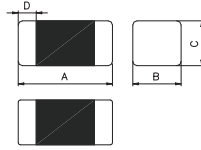
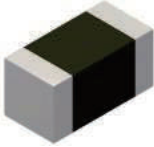
- Irms: DC current that causes temperature rise(ΔT 40°C) from 25°C ambient.

MPI 252010M Series

(1008 inch -55~+105°C)



■ Dimensions



Dimensions	
A	2.50±0.20
B	2.00±0.20
C	1.00 max.
D	0.50±0.30

Units: mm

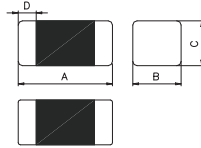
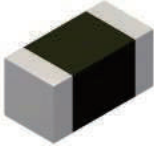
■ Specifications

Part Number	Inductance (uH)	Test Frequency (Hz)	Rated Current (mA) max.	DC Resistance (Ω)	
				max.	typ.
MPI252010MF-1R0M-1A6	1.00±20%	1M / 60mV	1600	0.19	0.15
MPI252010MF-1R5M-1A5	1.50±20%	1M / 60mV	1500	0.23	0.18
MPI252010MF-2R2M-1A3	2.20±20%	1M / 60mV	1300	0.32	0.25
MPI252010MF-4R7M-1A1	4.70±20%	1M / 60mV	1100	0.41	0.32

- Irms: DC current that causes temperature rise(ΔT 40°C) from 25°C ambient.



■ Dimensions



Dimensions	
A	2.50±0.20
B	2.00±0.20
C	1.00 max.
D	0.50±0.30

Units: mm

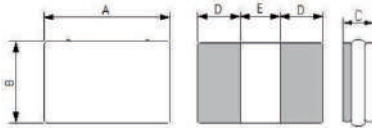
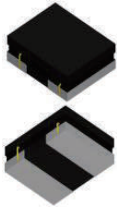
■ Specifications

Part Number	Inductance (uH)	Test Frequency (Hz)	Rated Current (mA) max.	DC Resistance (Ω)	
				max.	typ.
MPI252010SF-2R2M-1A4	2.20±20%	1M / 60mV	1400	0.16	0.13
MPI252010SF-4R7M-0A9	4.70±20%	1M / 60mV	950	0.36	0.28

- Irms:DC current that causes temperature rise(ΔT 40°C) from 25°C ambient.



■ Dimensions



Dimensions	
A	1.60±0.15
B	0.90±0.15
C	0.95max
D	0.50ref
E	0.60ref

Units: mm

■ Specifications

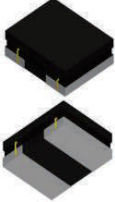
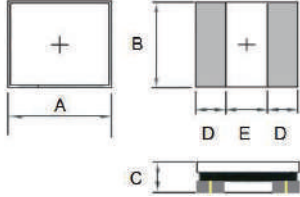
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR(Ω) ±30%	I sat(mA) typ.	I rms(mA) typ.
HPC160809TF-1R0M	1.0	±20	0.5V/7.9M	0.12	800	900
HPC160809TF-2R2M	2.2	±20	0.5V/7.9M	0.24	400	450
HPC160809TF-4R7M	4.7	±20	0.5V/7.9M	0.46	300	350
HPC160809TF-100M	10.0	±20	0.5V/7.9M	0.93	200	250

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions

Dimensions	
A	2.50-0.10/+0.30
B	2.00-0.05/+0.35
C	0.80max
D	0.85ref
E	0.80ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR(Ω) Max.	I sat(A) typ.	I rms(A) typ.
HPC252008MF-1R0M	1.0	±20	0.1V/1M	0.145	1.75	1.20
HPC252008MF-1R5M	1.5	±20	0.1V/1M	0.200	1.65	1.05
HPC252008MF-2R2M	2.2	±20	0.1V/1M	0.250	1.40	0.95
HPC252008MF-3R3M	3.3	±20	0.1V/1M	0.360	1.10	0.85
HPC252008MF-4R7M	4.7	±20	0.1V/1M	0.480	0.90	0.70
HPC252008MF-6R8M	6.8	±20	0.1V/1M	0.800	0.75	0.55
HPC252008MF-100M	10.0	±20	0.1V/1M	1.110	0.55	0.45

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions

Dimensions	
A	2.50±0.2
B	2.00±0.2
C	1.20max
D	0.85ref
E	0.80ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR(Ω) ±30%	I sat(A) typ.	I rms(A) typ.
HPC252012CF-1R0Y	1.0	±30	0.1V/1M	0.073	2.80	2.20
HPC252012CF-1R5Y	1.5	±30	0.1V/1M	0.100	2.20	1.86
HPC252012CF-2R2M	2.2	±20	0.1V/1M	0.129	1.80	1.70
HPC252012CF-3R3M	3.3	±20	0.1V/1M	0.220	1.30	1.20
HPC252012CF-4R7M	4.7	±20	0.1V/1M	0.290	1.10	1.04
HPC252012CF-6R8M	6.8	±20	0.1V/1M	0.370	0.94	0.94
HPC252012CF-100M	10	±20	0.1V/1M	0.570	0.82	0.84

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃



■ Dimensions

Dimensions	
A	3.00±0.2
B	3.00±0.2
C	1.00max
D	1.00ref
E	1.00ref

Units: mm

■ Specifications

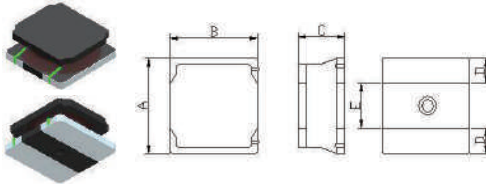
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR(Ω) ±20%	I sat(A) typ.	I rms(A) typ.
HPC3010NF-1R0Y	1.0	±30	0.1V/1M	0.055	1.80	2.10
HPC3010NF-1R5Y	1.5	±30	0.1V/1M	0.070	1.50	1.90
HPC3010NF-2R2M	2.2	±20	0.1V/1M	0.090	1.30	1.70
HPC3010NF-3R3M	3.3	±20	0.1V/1M	0.130	1.10	1.50
HPC3010NF-4R7M	4.7	±20	0.1V/1M	0.170	0.90	1.30
HPC3010NF-6R8M	6.8	±20	0.1V/1M	0.260	0.77	1.00
HPC3010NF-100M	10.0	±20	0.1V/1M	0.350	0.63	0.80
HPC3010NF-150M	15.0	±20	0.1V/1M	0.510	0.54	0.70
HPC3010NF-220M	22.0	±20	0.1V/1M	0.750	0.43	0.60

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃



■ Dimensions



Dimensions	
A	3.00±0.2
B	3.00±0.2
C	1.00max
D	1.00ref
E	1.00ref

Units: mm

■ Specifications

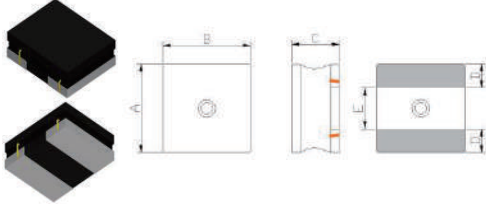
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR(Ω) ±20%	I sat(A) typ.	I rms(A) typ.
HPC3010TF-1R0Y	1.0	±30	0.1V/1M	0.055	1.80	2.10
HPC3010TF-1R2Y	1.2	±30	0.1V/1M	0.058	1.65	2.00
HPC3010TF-1R5Y	1.5	±30	0.1V/1M	0.070	1.50	1.90
HPC3010TF-2R2M	2.2	±20	0.1V/1M	0.090	1.30	1.70
HPC3010TF-3R3M	3.3	±20	0.1V/1M	0.130	1.10	1.50
HPC3010TF-4R7M	4.7	±20	0.1V/1M	0.170	0.90	1.30
HPC3010TF-6R8M	6.8	±20	0.1V/1M	0.260	0.77	1.00
HPC3010TF-100M	10.0	±20	0.1V/1M	0.350	0.63	0.80
HPC3010TF-150M	15.0	±20	0.1V/1M	0.510	0.54	0.70
HPC3010TF-220M	22.0	±20	0.1V/1M	0.750	0.43	0.60

Note:

- Saturation Current (Isat) will cause L0 to drop approximately 30%.
- Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



Dimensions	
A	3.00±0.2
B	3.00±0.2
C	1.20max
D	1.00ref
E	1.00ref

Units: mm

■ Specifications

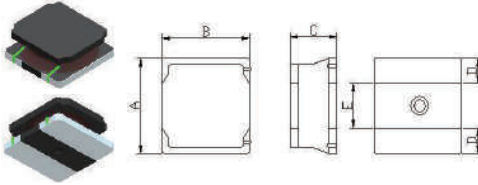
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR(Ω) ±20%	I sat(A) typ.	I rms(A) typ.
HPC3012NF-1R0Y	1.0	±30	0.1V/1M	0.042	2.15	2.00
HPC3012NF-1R5Y	1.5	±30	0.1V/1M	0.056	1.70	1.85
HPC3012NF-2R2M	2.2	±20	0.1V/1M	0.080	1.50	1.70
HPC3012NF-3R3M	3.3	±20	0.1V/1M	0.100	1.20	1.55
HPC3012NF-4R7M	4.7	±20	0.1V/1M	0.130	1.05	1.30
HPC3012NF-6R8M	6.8	±20	0.1V/1M	0.180	0.90	1.05
HPC3012NF-100M	10	±20	0.1V/1M	0.245	0.76	0.89
HPC3012NF-150M	15	±20	0.1V/1M	0.386	0.62	0.74
HPC3012NF-220M	22	±20	0.1V/1M	0.580	0.49	0.61

Note:

1. Saturation Current (Isat) will cause L0 to drop approximately 30%.
2. Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃



■ Dimensions



Dimensions	
A	3.00±0.2
B	3.00±0.2
C	1.20max
D	1.00ref
E	1.00ref

Units: mm

■ Specifications

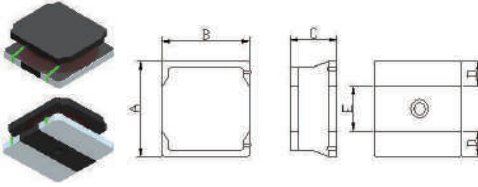
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) ±20%	I sat (A) typ.	I rms (A) typ.
HPC3012TF-1R0Y	1.0	±30	0.1V/1M	0.042	2.15	2.00
HPC3012TF-1R5Y	1.5	±30	0.1V/1M	0.056	1.70	1.85
HPC3012TF-2R2M	2.2	±20	0.1V/1M	0.080	1.50	1.70
HPC3012TF-3R3M	3.3	±20	0.1V/1M	0.100	1.20	1.55
HPC3012TF-4R7M	4.7	±20	0.1V/1M	0.130	1.05	1.30
HPC3012TF-6R8M	6.8	±20	0.1V/1M	0.180	0.90	1.05
HPC3012TF-100M	10.0	±20	0.1V/1M	0.245	0.76	0.89
HPC3012TF-150M	15.0	±20	0.1V/1M	0.386	0.62	0.74
HPC3012TF-220M	22.0	±20	0.1V/1M	0.580	0.49	0.61

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



Dimensions	
A	3.00±0.2
B	3.00±0.2
C	1.50max
D	1.00ref
E	1.00ref

Units: mm

■ Specifications

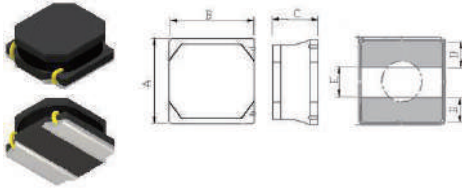
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) ±20%	I sat (A) typ.	I rms (A) typ.
HPC3015TF-1R0Y	1.0	±30	1V/100K	0.030	2.20	2.20
HPC3015TF-1R5Y	1.5	±30	1V/100K	0.040	2.00	2.00
HPC3015TF-2R2M	2.2	±20	1V/100K	0.060	1.70	1.70
HPC3015TF-3R3M	3.3	±20	1V/100K	0.080	1.40	1.40
HPC3015TF-4R7M	4.7	±20	1V/100K	0.120	1.20	1.20
HPC3015TF-6R8M	6.8	±20	1V/100K	0.160	1.00	1.00
HPC3015TF-100M	10	±20	1V/100K	0.220	0.75	0.80
HPC3015TF-150M	15	±20	1V/100K	0.320	0.65	0.70
HPC3015TF-180M	18	±20	1V/100K	0.410	0.60	0.65
HPC3015TF-220M	22	±20	1V/100K	0.460	0.55	0.60
HPC3015TF-330M	33	±20	1V/100K	0.800	0.40	0.45
HPC3015TF-470M	47	±20	1V/100K	1.200	0.35	0.40

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



Dimensions	
A	4.00±0.2
B	4.00±0.2
C	1.00max
D	1.20ref
E	1.60ref

Units: mm

■ Specifications

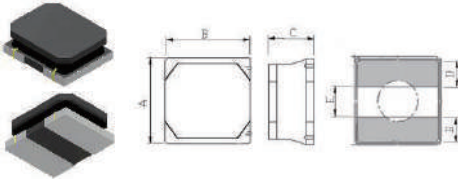
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) ±20%	I sat (A) typ.	I rms (A) typ.
HPC4010TF-1R0Y	1.0	±30	1V/100K	0.056	2.40	2.30
HPC4010TF-2R2M	2.2	±20	1V/100K	0.085	1.50	1.80
HPC4010TF-3R3M	3.3	±20	1V/100K	0.100	1.30	1.70
HPC4010TF-4R7M	4.7	±20	1V/100K	0.140	1.20	1.50
HPC4010TF-6R8M	6.8	±20	1V/100K	0.200	1.00	1.20
HPC4010TF-100M	10	±20	1V/100K	0.300	0.80	0.90
HPC4010TF-150M	15	±20	1V/100K	0.430	0.70	0.80
HPC4010TF-220M	22	±20	1V/100K	0.570	0.60	0.80

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



Dimensions	
A	4.00±0.2
B	4.00±0.2
C	1.20max
D	1.20ref
E	1.60ref

Units: mm

■ Specifications

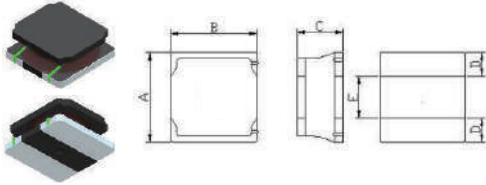
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) ±20%	I sat (A) typ.	I rms (A) typ.
HPC4012TF-1R0Y	1.0	±30	1V/100K	0.042	3.30	2.50
HPC4012TF-2R2M	2.2	±20	1V/100K	0.060	1.95	2.20
HPC4012TF-3R3M	3.3	±20	1V/100K	0.070	1.60	1.90
HPC4012TF-4R7M	4.7	±20	1V/100K	0.095	1.40	1.70
HPC4012TF-6R8M	6.8	±20	1V/100K	0.125	1.10	1.50
HPC4012TF-100M	10	±20	1V/100K	0.180	1.00	1.30
HPC4012TF-150M	15	±20	1V/100K	0.260	0.80	0.95
HPC4012TF-220M	22	±20	1V/100K	0.400	0.60	0.72

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



Dimensions	
A	4.00±0.2
B	4.00±0.2
C	1.80max
D	1.20ref
E	1.60ref

Units: mm

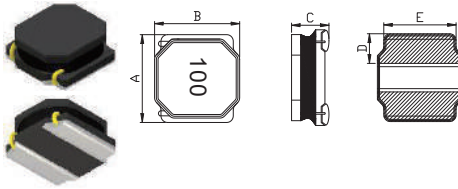
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) ±20%	I sat (A) typ.	I rms (A) typ.
HPC4018NF-1R0M	1.0	±20	1V/100K	0.027	4.00	3.70
HPC4018NF-1R5M	1.5	±20	1V/100K	0.032	3.30	3.30
HPC4018NF-2R2M	2.2	±20	1V/100K	0.042	3.00	2.90
HPC4018NF-3R3M	3.3	±20	1V/100K	0.055	2.30	2.30
HPC4018NF-4R7M	4.7	±20	1V/100K	0.070	2.00	2.00
HPC4018NF-6R8M	6.8	±20	1V/100K	0.098	1.70	1.70
HPC4018NF-100M	10	±20	1V/100K	0.150	1.50	1.50
HPC4018NF-150M	15	±20	1V/100K	0.190	1.10	1.10
HPC4018NF-220M	22	±20	1V/100K	0.290	0.90	0.90

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C

■ Dimensions



Dimensions	
A	4.00±0.2
B	4.00±0.2
C	3.00max
D	1.35±0.3
E	3.40±0.4

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±20%	I sat (A) typ.	I rms (A) typ.
HPC4030NF-R68M	0.68	±20	1V/100K	10	6.80	4.60
HPC4030NF-1R0M	1.00	±20	1V/100K	14	5.30	4.20
HPC4030NF-1R5M	1.50	±20	1V/100K	20	4.90	3.40
HPC4030NF-2R2M	2.20	±20	1V/100K	30	4.90	3.00
HPC4030NF-3R3M	3.30	±20	1V/100K	40	3.30	2.40
HPC4030NF-3R9M	3.90	±20	1V/100K	53	3.10	2.20
HPC4030NF-4R7M	4.70	±20	1V/100K	60	2.90	2.05
HPC4030NF-5R6M	5.60	±20	1V/100K	65	2.60	1.95
HPC4030NF-6R8M	6.80	±20	1V/100K	90	2.75	1.80
HPC4030NF-8R2M	8.20	±20	1V/100K	90	2.10	1.60
HPC4030NF-100M	10.0	±20	1V/100K	100	2.00	1.50
HPC4030NF-120M	12.0	±20	1V/100K	135	1.80	1.30
HPC4030NF-150M	15.0	±20	1V/100K	190	1.70	1.20
HPC4030NF-180M	18.0	±20	1V/100K	200	1.50	1.10
HPC4030NF-220M	22.0	±20	1V/100K	225	1.30	1.00
HPC4030NF-330M	33.0	±20	1V/100K	330	1.10	0.85
HPC4030NF-470M	47.0	±20	1V/100K	445	0.95	0.72

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions

Dimensions	
A	5.00±0.2
B	5.00±0.2
C	1.80±0.2
D	1.30±0.2
E	4.70±0.2
F	3.70ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR(mΩ) ±20%	I sat(A) typ.	I rms(A) typ.
HPC5020NF-1R0Y	1.00	±30	1V/100K	20	5.00	4.10
HPC5020NF-1R2Y	1.20	±30	1V/100K	20	4.80	3.80
HPC5020NF-1R5Y	1.50	±30	1V/100K	25	4.50	3.50
HPC5020NF-2R2M	2.20	±20	1V/100K	32	4.10	3.30
HPC5020NF-2R7M	2.70	±20	1V/100K	38	3.80	3.00
HPC5020NF-2R9M	2.90	±20	1V/100K	40	3.65	2.90
HPC5020NF-3R3M	3.30	±20	1V/100K	43	3.50	2.80
HPC5020NF-4R7M	4.70	±20	1V/100K	60	2.70	2.40
HPC5020NF-5R6M	5.60	±20	1V/100K	69	2.40	2.10
HPC5020NF-6R8M	6.80	±20	1V/100K	90	2.10	1.90
HPC5020NF-8R2M	8.20	±20	1V/100K	98	1.90	1.75
HPC5020NF-100M	10.0	±20	1V/100K	110	1.70	1.60
HPC5020NF-120M	12.0	±20	1V/100K	135	1.40	1.40
HPC5020NF-150M	15.0	±20	1V/100K	165	1.30	1.25
HPC5020NF-180M	18.0	±20	1V/100K	190	1.20	1.17
HPC5020NF-220M	22.0	±20	1V/100K	225	1.10	1.10
HPC5020NF-330M	33.0	±20	1V/100K	335	0.80	0.80
HPC5020NF-470M	47.0	±20	1V/100K	460	0.70	0.70

Note:

1. Saturation Current (Isat) will cause L0 to drop approximately 30%.
2. Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions

Dimensions		
A	4.95±0.2	
B	4.95±0.2	
C	≤ 10uH	3.9±0.2
	> 10uH	3.8±0.2
D	1.30±0.3	
E	4.20±0.2	
F	3.70ref	

Units: mm

■ Specifications

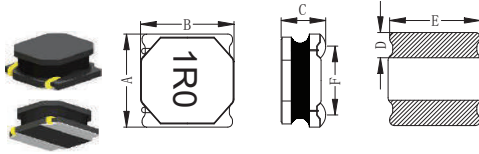
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR(mΩ) ±20%	I sat(A) typ.	I rms(A) typ.
HPC5040NF-1R0M	1.00	±20	1V/100K	12	7.50	5.00
HPC5040NF-1R2M	1.20	±20	1V/100K	13	7.00	4.70
HPC5040NF-1R5M	1.50	±20	1V/100K	15	6.50	4.50
HPC5040NF-1R8M	1.80	±20	1V/100K	18	6.10	4.20
HPC5040NF-2R2M	2.20	±20	1V/100K	21	5.70	3.80
HPC5040NF-3R3M	3.30	±20	1V/100K	24	4.40	3.50
HPC5040NF-4R7M	4.70	±20	1V/100K	32	3.90	3.20
HPC5040NF-6R8M	6.80	±20	1V/100K	43	3.30	2.50
HPC5040NF-8R2M	8.20	±20	1V/100K	50	2.90	2.35
HPC5040NF-100M	10.0	±20	1V/100K	56	2.52	2.20
HPC5040NF-150M	15.0	±20	1V/100K	80	2.00	1.80
HPC5040NF-220M	22.0	±20	1V/100K	123	1.62	1.50
HPC5040NF-270M	27.0	±20	1V/100K	160	1.40	1.30
HPC5040NF-330M	33.0	±20	1V/100K	180	1.30	1.20
HPC5040NF-470M	47.0	±20	1V/100K	270	1.10	1.00
HPC5040NF-680M	68.0	±20	1V/100K	400	0.90	0.80
HPC5040NF-820M	82.0	±20	1V/100K	490	0.78	0.75
HPC5040NF-101M	100	±20	1V/100K	560	0.75	0.72

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



Dimensions	
A	6.00±0.2
B	6.00±0.2
C	1.80±0.2
D	1.60±0.3
E	5.80±0.3
F	4.30ref

Units: mm

■ Specifications

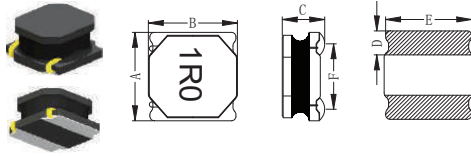
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR(mΩ) ±20%	I sat(A) typ.	I rms(A) typ.
HPC6020NF-1R0M	1.00	±20	1V/100K	19	6.2	4.5
HPC6020NF-1R5M	1.50	±20	1V/100K	22.5	5.5	3.8
HPC6020NF-2R0M	2.00	±20	1V/100K	25	5.3	3.65
HPC6020NF-2R2M	2.20	±20	1V/100K	29	5.0	3.5
HPC6020NF-3R3M	3.30	±20	1V/100K	35	4.0	3.3
HPC6020NF-4R7M	4.70	±20	1V/100K	54	3.0	2.8
HPC6020NF-5R6M	5.60	±20	1V/100K	59	2.7	2.6
HPC6020NF-6R8M	6.80	±20	1V/100K	78	2.6	2.5
HPC6020NF-8R2M	8.20	±20	1V/100K	103	2.4	2.3
HPC6020NF-100M	10.0	±20	1V/100K	106	2.1	2.1
HPC6020NF-150M	15.0	±20	1V/100K	138	1.5	1.6
HPC6020NF-220M	22.0	±20	1V/100K	204	1.3	1.4

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



Dimensions	
A	6.00±0.2
B	6.00±0.2
C	2.60±0.2
D	1.60±0.3
E	5.80±0.3
F	4.30ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±20%	I sat (A) typ.	I rms (A) typ.
HPC6028NF-1R0Y	1.00	±30	1V/100K	10.0	5.75	5.20
HPC6028NF-1R2M	1.20	±20	1V/100K	12.0	5.50	5.10
HPC6028NF-1R5Y	1.50	±30	1V/100K	14.0	5.30	4.95
HPC6028NF-2R2M	2.20	±20	1V/100K	18.0	5.00	4.50
HPC6028NF-3R3M	3.30	±20	1V/100K	24.0	4.30	3.60
HPC6028NF-4R7M	4.70	±20	1V/100K	30.0	3.20	3.10
HPC6028NF-6R8M	6.80	±20	1V/100K	47.0	2.85	2.50
HPC6028NF-100M	10.0	±20	1V/100K	65.0	2.10	2.00
HPC6028NF-150M	15.0	±20	1V/100K	98.0	2.00	1.80
HPC6028NF-220M	22.0	±20	1V/100K	138	1.60	1.50
HPC6028NF-330M	33.0	±20	1V/100K	200	1.40	1.30
HPC6028NF-470M	47.0	±20	1V/100K	280	1.15	1.06
HPC6028NF-680M	68.0	±20	1V/100K	420	1.00	0.81
HPC6028NF-101M	100	±20	1V/100K	605	0.80	0.72

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions

Dimensions	
A	6.00±0.3
B	6.00±0.3
C	4.20±0.3
D	1.70±0.3
E	4.50±0.3
F	4.25±0.3

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±20%	I sat (A) typ.	I rms (A) typ.
HPC6045NF-R36Y	0.36	±30	1V/1M	4.80	18.00	9.00
HPC6045NF-R47Y	0.47	±30	1V/1M	6.80	17.00	8.60
HPC6045NF-R82Y	0.82	±30	1V/1M	8.50	14.50	8.20
HPC6045NF-1R0Y	1.00	±30	1V/1M	10.0	13.50	8.00
HPC6045NF-1R2Y	1.20	±30	1V/1M	10.5	12.50	7.50
HPC6045NF-1R3Y	1.30	±30	1V/1M	10.5	12.50	7.50
HPC6045NF-1R5Y	1.50	±30	1V/1M	11.7	12.00	7.00
HPC6045NF-1R8Y	1.80	±30	1V/1M	12.0	11.00	6.80
HPC6045NF-2R0Y	2.00	±30	1V/1M	13.5	10.50	6.50
HPC6045NF-2R2Y	2.20	±30	1V/1M	15.0	9.50	6.00
HPC6045NF-2R3Y	2.30	±30	1V/1M	16.0	9.30	5.80
HPC6045NF-2R7Y	2.70	±30	1V/1M	16.0	8.50	5.50
HPC6045NF-3R0Y	3.00	±30	1V/1M	20.0	8.00	5.20
HPC6045NF-3R3Y	3.30	±30	1V/1M	21.0	7.80	5.00
HPC6045NF-3R6Y	3.60	±30	1V/1M	22.5	7.40	4.90
HPC6045NF-4R7M	4.70	±20	1V/1M	26.0	6.80	4.50
HPC6045NF-5R6M	5.60	±20	1V/1M	31.0	6.40	4.10

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±20%	I sat (A) typ.	I rms (A) typ.
HPC6045NF-6R3M	6.30	±20	1V/1M	33.0	5.90	3.80
HPC6045NF-6R8M	6.80	±20	1V/1M	34.0	5.70	3.60
HPC6045NF-8R2M	8.20	±20	1V/1M	46.0	5.10	3.40
HPC6045NF-100M	10.0	±20	1V/1M	52.0	4.60	3.20
HPC6045NF-150M	15.0	±20	1V/1M	71.0	3.80	2.80
HPC6045NF-180M	18.0	±20	1V/1M	80.0	3.40	2.60
HPC6045NF-220M	22.0	±20	1V/1M	96.0	3.30	2.30
HPC6045NF-330M	33.0	±20	1V/1M	145	2.50	1.80
HPC6045NF-470M	47.0	±20	1V/1M	200	2.00	1.60
HPC6045NF-560M	56.0	±20	1V/1M	230	1.80	1.40
HPC6045NF-680M	68.0	±20	1V/1M	305	1.60	1.10
HPC6045NF-820M	82.0	±20	1V/1M	365	1.50	0.98
HPC6045NF-101K	100	±10	1V/1M	456	1.33	0.92
HPC6045NF-121K	120	±10	1V/1M	500	1.20	0.85
HPC6045NF-151K	150	±10	1V/1M	626	1.10	0.75
HPC6045NF-181K	180	±10	1V/1M	745	1.00	0.68
HPC6045NF-221K	220	±10	1V/1M	900	0.88	0.60
HPC6045NF-331K	330	±10	1V/1M	1400	0.60	0.55
HPC6045NF-471K	470	±10	1V/1M	2050	0.50	0.40

Note

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃



■ Dimensions

Dimensions		
A	8.00±0.3	
B	8.00±0.3	
C	<10uH	4.2Max
	≥10uH	3.7±0.3
D	2.00±0.3	
E	6.00±0.3	
F	5.50±0.3	

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±20%	I sat (A) typ.	I rms (A) typ.
HPC8040NF-1R0M	1.00	±20	1V/1M	8.2	13.80	8.50
HPC8040NF-1R2M	1.20	±20	1V/1M	8.2	12.80	8.30
HPC8040NF-1R4M	1.40	±20	1V/1M	10.0	11.80	8.20
HPC8040NF-1R5M	1.50	±20	1V/1M	10.0	11.50	8.00
HPC8040NF-1R6M	1.60	±20	1V/1M	10.0	11.50	8.00
HPC8040NF-1R8M	1.80	±20	1V/1M	10.5	10.50	7.70
HPC8040NF-2R0M	2.00	±20	1V/1M	11.0	10.20	7.50
HPC8040NF-2R2M	2.20	±20	1V/1M	11.5	9.80	7.40
HPC8040NF-2R7M	2.70	±20	1V/1M	13.0	9.00	7.00
HPC8040NF-3R3M	3.30	±20	1V/1M	15.0	8.00	6.60
HPC8040NF-4R7M	4.70	±20	1V/1M	19.5	6.70	5.80
HPC8040NF-5R6M	5.60	±20	1V/1M	22.0	6.20	5.40
HPC8040NF-6R8M	6.80	±20	1V/1M	25.0	5.60	5.10
HPC8040NF-8R2M	8.20	±20	1V/1M	30.0	5.30	4.80
HPC8040NF-100M	10.0	±20	1V/1M	33.0	5.00	4.60
HPC8040NF-150M	15.0	±20	1V/1M	50.0	4.00	3.60
HPC8040NF-220M	22.0	±20	1V/1M	73.0	3.10	2.90
HPC8040NF-330M	33.0	±20	1V/1M	100	2.60	2.30
HPC8040NF-390M	39.0	±20	1V/1M	120	2.40	2.15
HPC8040NF-470M	47.0	±20	1V/1M	135	2.20	2.00

Note:

1. Saturation Current (Isat) will cause L0 to drop approximately 30%.
2. Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Specifications

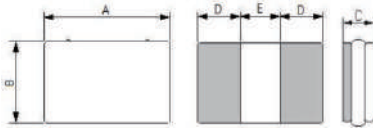
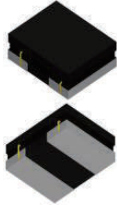
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) ±20%	I sat (A) typ.	I rms (A) typ.
HPC8040NF-560M	56.0	±20	1V/1M	160	1.90	1.75
HPC8040NF-680M	68.0	±20	1V/1M	205	1.75	1.65
HPC8040NF-820M	82.0	±20	1V/1M	230	1.60	1.40
HPC8040NF-101M	100	±20	1V/1M	300	1.45	1.20
HPC8040NF-121M	120	±20	1V/1M	350	1.30	1.10
HPC8040NF-151M	150	±20	1V/1M	410	1.20	0.98
HPC8040NF-181M	180	±20	1V/1M	490	1.04	0.91
HPC8040NF-221M	220	±20	1V/1M	610	0.99	0.85
HPC8040NF-271M	270	±20	1V/100K	740	0.85	0.77
HPC8040NF-331M	330	±20	1V/100K	850	0.75	0.70
HPC8040NF-471M	470	±20	1V/100K	1300	0.60	0.63

Note

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃



■ Dimensions



Dimensions	
A	1.60±0.15
B	0.90±0.15
C	0.80max
D	0.50ref
E	0.60ref

Units: mm

■ Specifications

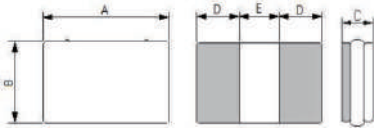
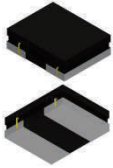
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max	I sat (mA) typ.	I rms (mA) typ.
UHP160808TF-1R0M	1.0	±20	1V/1M	0.150	800	1150
UHP160808TF-2R2M	2.2	±20	1V/1M	0.345	520	750
UHP160808TF-4R7M	4.7	±20	1V/1M	0.750	370	500
UHP160808TF-100M	10.0	±20	1V/1M	1.760	210	300

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



Dimensions	
A	2.00±0.20
B	1.20±0.20
C	0.80max
D	0.70ref
E	0.60ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max	I sat (mA) typ.	I rms (mA) typ.
UHP201208TF-1R0M	1.0	±20	1V/1M	0.120	1200	1500
UHP201208TF-2R2M	2.2	±20	1V/1M	0.295	860	900
UHP201208TF-4R7M	4.7	±20	1V/1M	0.600	600	600
UHP201208TF-100M	10.0	±20	1V/1M	1.320	350	380

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃



■ Dimensions

Dimensions	
A	2.00±0.20
B	1.20±0.20
C	1.00max
D	0.70ref
E	0.60ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) ±20%	I sat (mA) typ.	I rms (mA) typ.
UHP201210RF-1R0M	1.0	±20	0.5V/7.9M	0.062	1100	2100
UHP201210RF-2R2M	2.2	±20	0.5V/7.9M	0.150	750	1400
UHP201210RF-4R7M	4.7	±20	0.5V/7.9M	0.320	470	1000
UHP201210RF-100M	10.0	±20	0.5V/2.5M	0.590	320	600

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions

Dimensions	
A	2.00-0.10/+0.20
B	1.60-0.10/+0.20
C	1.00max
D	0.60ref
E	0.80ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) ±20%	I sat (A) typ.	I rms (A) typ.
UHP201610NF-R47Y	0.47	±30	0.1V/1M	0.044	3.00	2.60
UHP201610NF-R56M	0.56	±20	0.1V/1M	0.053	2.40	2.80
UHP201610NF-R68Y	0.68	±30	0.1V/1M	0.062	2.45	2.25
UHP201610NF-R82Y	0.82	±30	0.1V/1M	0.055typ 0.081max	2.20	2.00
UHP201610NF-1R0Y	1.0	±30	0.1V/1M	0.080	1.95	1.75
UHP201610NF-1R5Y	1.5	±30	0.1V/1M	0.130	1.65	1.40
UHP201610NF-1R8M	1.8	±20	0.1V/1M	0.109typ 0.163max	1.55	1.38
UHP201610NF-2R2M	2.2	±20	0.1V/1M	0.145	1.45	1.35
UHP201610NF-3R3M	3.3	±20	0.1V/1M	0.245	1.05	1.05
UHP201610NF-4R7M	4.7	±20	0.1V/1M	0.360	0.85	1.00
UHP201610NF-6R8M	6.8	±20	0.1V/1M	0.500	0.80	0.70
UHP201610NF-8R2M	8.2	±20	0.1V/1M	0.600typ 0.720max	0.71	0.60
UHP201610NF-100M	10.0	±20	0.1V/1M	0.720	0.62	0.50
UHP201610NF-150M	15.0	±20	0.1V/1M	1.400	0.50	0.40
UHP201610NF-180M	18.0	±20	0.1V/1M	1.800	0.45	0.38
UHP201610NF-220M	22.0	±20	0.1V/1M	2.000	0.43	0.30

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions

Dimensions	
A	2.50-0.10/+0.2
B	2.00-0.10/+0.2
C	1.00max
D	0.85ref
E	0.80ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) ±20%	I sat (A) typ.	I rms (A) typ.
UHP252010BF-R47Y	0.47	±30	0.1V/1M	0.030	2.85	2.80
UHP252010BF-R68Y	0.68	±30	0.1V/1M	0.039	2.70	2.45
UHP252010BF-1R0Y	1.0	±30	0.1V/1M	0.055	2.45	2.20
UHP252010BF-1R5Y	1.5	±30	0.1V/1M	0.090	1.80	1.70
UHP252010BF-2R2M	2.2	±20	0.1V/1M	0.114	1.60	1.55
UHP252010BF-3R3M	3.3	±20	0.1V/1M	0.170	1.30	1.25
UHP252010BF-4R7M	4.7	±20	0.1V/1M	0.250	1.10	1.05
UHP252010BF-6R8M	6.8	±20	0.1V/1M	0.370	0.95	0.85
UHP252010BF-100M	10	±20	0.1V/1M	0.470	0.75	0.75

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions

Dimensions	
A	2.50-0.10/+0.2
B	2.00-0.10/+0.2
C	1.20max
D	0.85ref
E	0.80ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) ±20%	I sat (A) typ.	I rms (A) typ.
UHP252012BF-R47Y	0.47	±30	0.1V/1M	0.028	4.00	3.70
UHP252012BF-R68M	0.68	±20	0.1V/1M	0.036	3.00	3.30
UHP252012BF-1R0Y	1.0	±30	0.1V/1M	0.049	2.70	2.60
UHP252012BF-1R5Y	1.5	±30	0.1V/1M	0.063	2.30	2.20
UHP252012BF-2R2M	2.2	±20	0.1V/1M	0.080	2.15	1.85
UHP252012BF-3R3M	3.3	±20	0.1V/1M	0.120	1.70	1.45
UHP252012BF-4R7M	4.7	±20	0.1V/1M	0.176	1.50	1.20
UHP252012BF-6R8M	6.8	±20	0.1V/1M	0.250	1.15	1.00
UHP252012BF-100M	10.0	±20	0.1V/1M	0.410	0.85	0.75
UHP252012BF-150M	15.0	±20	0.1V/1M	0.540	0.63	0.60
UHP252012BF-220M	22.0	±20	0.1V/1M	0.850	0.56	0.50

Note:

- Saturation Current (Isat) will cause L0 to drop approximately 30%.
- Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions

Dimensions	
A	2.0-0.1/+0.2
B	1.6-0.1/+0.2
C	1.00Max
D	0.65±0.2
E	0.75±0.2

Units: mm

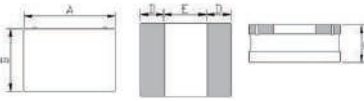
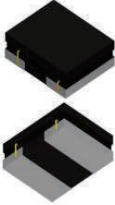
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max.	I sat (A) typ.	I rms (A) typ.
DFP201610TF-R24M	0.24	±20	0.1V/1M	0.028	5.10	4.40
DFP201610TF-R33M	0.33	±20	0.1V/1M	0.040	3.90	3.50
DFP201610TF-R47M	0.47	±20	0.1V/1M	0.042	3.85	3.30
DFP201610TF-R68M	0.68	±20	0.1V/1M	0.055	3.25	2.80
DFP201610TF-1R0M	1.00	±20	0.1V/1M	0.072	2.90	2.40
DFP201610TF-1R5M	1.50	±20	0.1V/1M	0.118	2.30	2.10
DFP201610TF-2R2M	2.20	±20	0.1V/1M	0.170	2.10	1.70

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C

■ Dimensions



Dimensions	
A	2.0-0.1/+0.2
B	1.6-0.1/+0.2
C	1.20Max
D	0.60 ref
E	0.80 ref

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max.	I sat (A) typ.	I rms (A) typ.
DFP201612NF-R24M	0.24	±20	0.1V/1M	0.033	5.40	4.00
DFP201612NF-R33M	0.33	±20	0.1V/1M	0.034	4.70	3.90
DFP201612NF-R47M	0.47	±20	0.1V/1M	0.046	3.90	3.30
DFP201612NF-R56M	0.56	±20	0.1V/1M	0.064	3.50	3.00
DFP201612NF-R68M	0.68	±20	0.1V/1M	0.066	3.30	3.00
DFP201612NF-1R0M	1.00	±20	0.1V/1M	0.104	3.00	2.70
DFP201612NF-1R2M	1.20	±20	0.1V/1M	0.106	3.00	2.70
DFP201612NF-1R5M	1.50	±20	0.1V/1M	0.108	2.50	2.10
DFP201612NF-2R2M	2.20	±20	0.1V/1M	0.186	2.00	1.50

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions

Dimensions	
A	2.5-0.1/+0.2
B	2.0-0.1/+0.2
C	1.00Max
D	0.85 ref
E	0.80 ref

Units: mm

■ Specifications

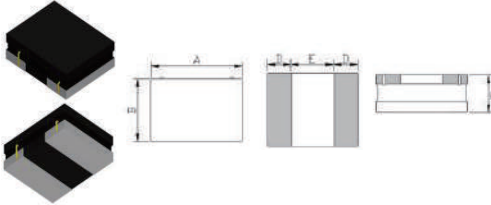
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max.	I sat (A) typ.	I rms (A) typ.
DFP252010BF-R24M	0.24	±20	0.1V/1M	0.042	4.80	3.60
DFP252010BF-R33M	0.33	±20	0.1V/1M	0.044	4.30	3.50
DFP252010BF-R47M	0.47	±20	0.1V/1M	0.046	4.00	3.40
DFP252010BF-R68M	0.68	±20	0.1V/1M	0.055	3.70	3.30
DFP252010BF-1R0M	1.00	±20	0.1V/1M	0.080	3.40	2.60
DFP252010BF-1R5M	1.50	±20	0.1V/1M	0.108	2.70	2.30
DFP252010BF-2R2M	2.20	±20	0.1V/1M	0.169	2.40	1.80

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



Dimensions	
A	2.5-0.1/+0.2
B	2.0-0.1/+0.2
C	1.20Max
D	0.85 ref
E	0.80 ref

Units: mm

■ Specifications

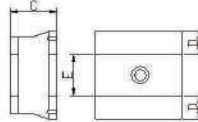
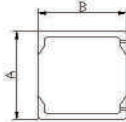
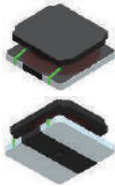
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max.	I sat (A) typ.	I rms (A) typ.
DFP252012BF-R24M	0.24	±20	0.1V/1M	0.028	8.00	4.70
DFP252012BF-R33M	0.33	±20	0.1V/1M	0.032	5.70	4.50
DFP252012BF-R47M	0.47	±20	0.1V/1M	0.032	5.50	4.40
DFP252012BF-R68M	0.68	±20	0.1V/1M	0.043	4.50	3.60
DFP252012BF-1R0M	1.00	±20	0.1V/1M	0.057	3.90	3.50
DFP252012BF-1R5M	1.50	±20	0.1V/1M	0.096	3.00	2.50
DFP252012BF-2R2M	2.20	±20	0.1V/1M	0.102	2.70	2.30

Note:

1. Saturation Current (Isat) will cause L0 to drop approximately 30%.
2. Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



Dimensions	
A	3.00±0.2
B	3.00±0.2
C	1.00Max
D	1.00ref
E	1.00ref

Units: mm

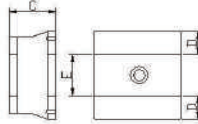
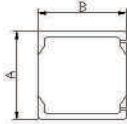
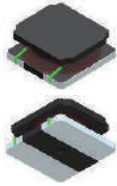
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max.	I sat (A) typ.	I rms (A) typ.
DFP3010EF-R47M	0.47	±20	1V/1M	0.045	5.40	4.10
DFP3010EF-1R0M	1.00	±20	1V/1M	0.090	3.80	2.40
DFP3010EF-1R5M	1.50	±20	1V/1M	0.110	3.10	2.10
DFP3010EF-2R2M	2.20	±20	1V/1M	0.144	2.30	2.00
DFP3010EF-3R3M	3.30	±20	1V/1M	0.230	2.10	1.30
DFP3010EF-4R7M	4.70	±20	1V/1M	0.330	1.70	1.20
DFP3010EF-6R8M	6.80	±20	1V/1M	0.470	1.30	1.10
DFP3010EF-100M	10.0	±20	1V/1M	0.575	1.10	0.90

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C

■ Dimensions



Dimensions	
A	3.00±0.2
B	3.00±0.2
C	1.20Max
D	1.00ref
E	1.00ref

Units: mm

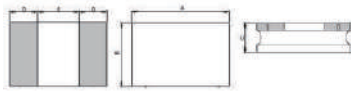
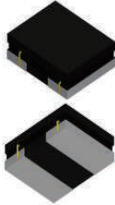
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max.	I sat (A) typ.	I rms (A) typ.
DFP3012EF-R33M	0.33	±20	1V/1M	0.036	8.00	4.20
DFP3012EF-R47M	0.47	±20	1V/1M	0.037	5.40	4.10
DFP3012EF-1R0M	1.00	±20	1V/1M	0.060	3.80	3.10
DFP3012EF-1R5M	1.50	±20	1V/1M	0.084	3.30	2.60
DFP3012EF-2R2M	2.20	±20	1V/1M	0.126	2.90	2.10
DFP3012EF-3R3M	3.30	±20	1V/1M	0.204	2.60	1.70
DFP3012EF-4R7M	4.70	±20	1V/1M	0.288	2.10	1.30
DFP3012EF-6R8M	6.80	±20	1V/1M	0.408	1.90	1.20

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C

■ Dimensions



Dimensions	
A	3.20±0.2
B	2.50±0.2
C	1.00Max
D	1.00±0.2
E	1.30±0.2

Units: mm

■ Specifications

Part Number	Inductance (μ H)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max.	I sat (A) typ.	I rms (A) typ.
DFP322510BF-R47M	0.47	±20	1V/1M	0.034	5.00	4.00
DFP322510BF-R68M	0.68	±20	1V/1M	0.045	4.10	3.50
DFP322510BF-1R0M	1.00	±20	1V/1M	0.065	3.60	2.80
DFP322510BF-1R5M	1.50	±20	1V/1M	0.086	2.80	2.30
DFP322510BF-2R2M	2.20	±20	1V/1M	0.118	2.40	1.70
DFP322510BF-3R3M	3.30	±20	1V/1M	0.190	2.00	1.50
DFP322510BF-4R7M	4.70	±20	1V/1M	0.264	1.70	1.40
DFP322510BF-6R8M	6.80	±20	1V/1M	0.396	1.35	1.10
DFP322510BF-100M	10.0	±20	1V/1M	0.600	1.20	0.90

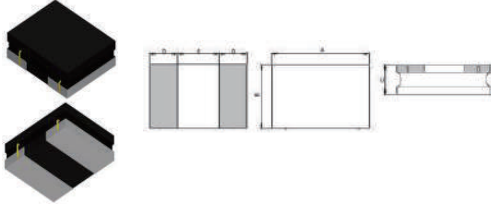
Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



Dimensions	
A	3.20±0.2
B	2.50±0.2
C	1.20Max
D	1.00±0.2
E	1.30±0.2

Units: mm

■ Specifications

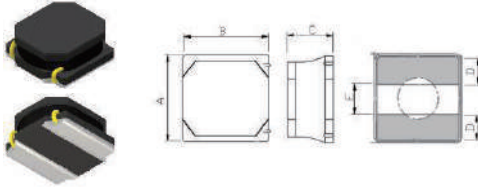
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max.	I sat (A) typ.	I rms (A) typ.
DFP322512BF-R33M	0.33	± 20	1V/1M	0.025	6.00	4.70
DFP322512BF-R47M	0.47	± 20	1V/1M	0.030	5.50	4.20
DFP322512BF-R68M	0.68	± 20	1V/1M	0.038	4.80	4.00
DFP322512BF-1R0M	1.00	± 20	1V/1M	0.045	4.20	3.40
DFP322512BF-1R5M	1.50	± 20	1V/1M	0.063	3.30	2.90
DFP322512BF-2R2M	2.20	± 20	1V/1M	0.092	2.80	2.40
DFP322512BF-3R3M	3.30	± 20	1V/1M	0.126	2.30	2.10
DFP322512BF-4R7M	4.70	± 20	1V/1M	0.190	2.00	1.60
DFP322512BF-6R8M	6.80	± 20	1V/1M	0.276	1.60	1.40
DFP322512BF-100M	10.0	± 20	1V/1M	0.420	1.30	1.00

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



Dimensions	
A	4.00±0.2
B	4.00±0.2
C	1.00Max
D	1.20ref
E	1.60ref

Units: mm

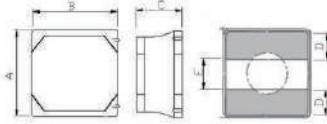
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max.	I sat (A) typ.	I rms (A) typ.
DFP4010EF-R47M	0.47	± 20	1V/100K	0.043	4.30	3.50
DFP4010EF-R68M	0.68	± 20	1V/100K	0.053	3.70	3.00
DFP4010EF-1R0M	1.00	± 20	1V/100K	0.065	3.30	2.40
DFP4010EF-1R5M	1.50	± 20	1V/100K	0.090	2.80	2.30
DFP4010EF-2R2M	2.20	± 20	1V/100K	0.095	2.30	2.00
DFP4010EF-3R3M	3.30	± 20	1V/100K	0.110	1.60	1.80
DFP4010EF-4R7M	4.70	± 20	1V/100K	0.150	1.40	1.60
DFP4010EF-6R8M	6.80	± 20	1V/100K	0.220	1.20	1.30
DFP4010EF-100M	10.0	± 20	1V/100K	0.320	1.00	1.10

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C

■ Dimensions



Dimensions	
A	4.00±0.2
B	4.00±0.2
C	1.20Max
D	1.20 ref
E	1.60 ref

Units: mm

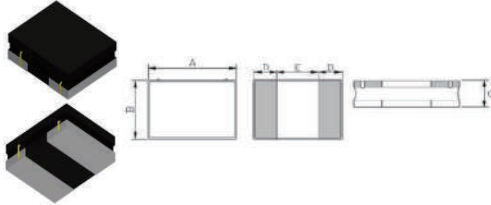
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max.	I sat (A) typ.	I rms (A) typ.
DFP4012EF-R47M	0.47	± 20	1V/100K	0.031	5.10	3.80
DFP4012EF-1R0M	1.00	± 20	1V/100K	0.048	4.50	3.30
DFP4012EF-1R2M	1.20	± 20	1V/100K	0.057	3.80	3.10
DFP4012EF-1R5M	1.50	± 20	1V/100K	0.066	3.70	3.00
DFP4012EF-2R2M	2.20	± 20	1V/100K	0.096	3.20	2.20

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C

■ Dimensions



Dimensions	
A	2.0-0.1/+0.2
B	1.6-0.1/+0.2
C	0.80Max
D	0.50ref
E	1.00ref

Units: mm

■ Specifications

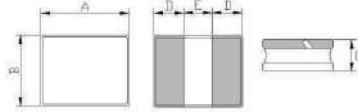
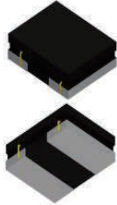
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max.	I sat (A) typ.	I rms (A) typ.
AHP201608RA-R24M	0.24	± 20	1V/1M	0.048	7.00	4.00
AHP201608RA-R33M	0.33	± 20	1V/1M	0.065	6.00	3.50
AHP201608RA-R47M	0.47	± 20	1V/1M	0.084	5.00	3.00
AHP201608RA-R68M	0.68	± 20	1V/1M	0.100	4.00	2.80
AHP201608RA-1R0M	1.00	± 20	1V/1M	0.130	3.00	2.20
AHP201608RA-1R5M	1.50	± 20	1V/1M	0.190	2.80	2.00
AHP201608RA-2R2M	2.20	± 20	1V/1M	0.260	2.50	1.80
AHP201608RA-3R3M	3.30	± 20	1V/1M	0.450	1.80	1.20
AHP201608RA-4R7M	4.70	± 20	1V/1M	0.660	1.70	1.10
AHP201608RA-6R8M	6.80	± 20	1V/1M	0.940	1.30	0.85
AHP201608RA-100M	10.0	± 20	1V/1M	0.960	0.90	0.80

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



Dimensions	
A	2.0-0.1/+0.2
B	1.6-0.1/+0.2
C	1.00Max
D	0.50ref
E	1.00ref

Units: mm

■ Specifications

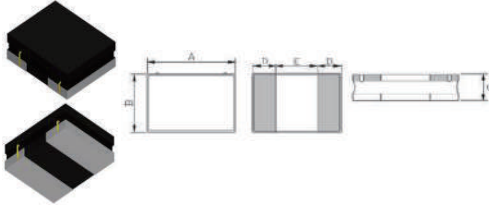
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max.	I sat (A) typ.	I rms (A) typ.
AHP201610FA-R24M	0.24	± 20	1V/1M	0.020	7.50	5.70
AHP201610FA-R33M	0.33	± 20	1V/1M	0.023	5.50	5.50
AHP201610FA-R47M	0.47	± 20	1V/1M	0.029	5.20	4.70
AHP201610FA-R68M	0.68	± 20	1V/1M	0.044	5.10	3.90
AHP201610FA-1R0M	1.00	± 20	1V/1M	0.060	4.50	3.20
AHP201610FA-1R5M	1.50	± 20	1V/1M	0.082	3.20	2.90
AHP201610FA-2R2M	2.20	± 20	1V/1M	0.120	2.70	2.20
AHP201610FA-3R3M	3.30	± 20	1V/1M	0.192	2.00	1.80
AHP201610FA-4R7M	4.70	± 20	1V/1M	0.216	1.60	1.60

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



Dimensions	
A	2.5-0.1/+0.2
B	2.0-0.1/+0.2
C	0.80Max
D	0.75ref
E	1.00ref

Units: mm

■ Specifications

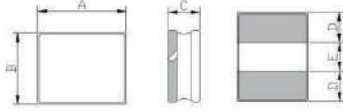
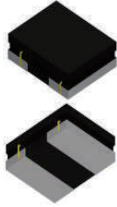
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max.	I sat (A) typ.	I rms (A) typ.
AHP252008RA-R24M	0.24	± 20	1V/1M	0.042	5.30	4.50
AHP252008RA-R33M	0.33	± 20	1V/1M	0.055	4.80	3.90
AHP252008RA-R47M	0.47	± 20	1V/1M	0.060	4.50	3.70
AHP252008RA-R68M	0.68	± 20	1V/1M	0.075	4.00	3.50
AHP252008RA-1R0M	1.00	± 20	1V/1M	0.090	3.20	2.80
AHP252008RA-1R5M	1.50	± 20	1V/1M	0.127	2.80	2.30
AHP252008RA-2R2M	2.20	± 20	1V/1M	0.180	2.00	1.80
AHP252008RA-3R3M	3.30	± 20	1V/1M	0.260	1.60	1.60
AHP252008RA-4R7M	4.70	± 20	1V/1M	0.430	1.50	1.20

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



Dimensions	
A	2.5-0.1/+0.2
B	2.0-0.1/+0.2
C	1.00Max
D	0.75ref
E	1.00ref

Units: mm

■ Specifications

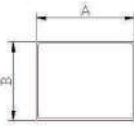
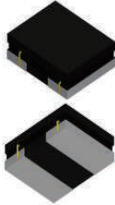
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max.	I sat (A) typ.	I rms (A) typ.
AHP252010FA-R24M	0.24	± 20	1V/1M	0.022	9.50	5.50
AHP252010FA-R33M	0.33	± 20	1V/1M	0.028	8.00	5.30
AHP252010FA-R47M	0.47	± 20	1V/1M	0.035	7.00	4.60
AHP252010FA-R68M	0.68	± 20	1V/1M	0.040	5.50	4.20
AHP252010FA-1R0M	1.00	± 20	1V/1M	0.053	4.90	3.50
AHP252010FA-1R5M	1.50	± 20	1V/1M	0.074	3.80	3.20
AHP252010FA-2R2M	2.20	± 20	1V/1M	0.093	2.80	2.60
AHP252010FA-4R7M	4.70	± 20	1V/1M	0.216	1.70	1.70

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



Dimensions	
A	2.5-0.1/+0.2
B	2.0-0.1/+0.2
C	1.20Max
D	0.75ref
E	1.00ref

Units: mm

■ Specifications

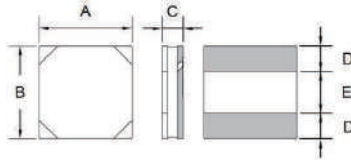
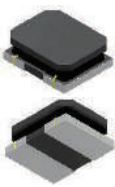
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max.	I sat (A) typ.	I rms (A) typ.
AHP252012FA-R33M	0.33	± 20	1V/1M	0.021	8.00	5.50
AHP252012FA-R47M	0.47	± 20	1V/1M	0.023	7.40	5.00
AHP252012FA-R68M	0.68	± 20	1V/1M	0.032	5.50	4.30
AHP252012FA-1R0M	1.00	± 20	1V/1M	0.040	5.30	3.90
AHP252012FA-1R5M	1.50	± 20	1V/1M	0.060	4.50	3.50
AHP252012FA-2R2M	2.20	± 20	1V/1M	0.084	3.40	2.60
AHP252012FA-3R3M	3.30	± 20	1V/1M	0.100	1.50	1.40

Note:

1. Saturation Current (Isat) will cause L0 to drop approximately 30%.
2. Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



Dimensions	
A	3.00±0.2
B	3.00±0.2
C	1.00Max
D	1.00ref
E	1.00ref

Units: mm

■ Specifications

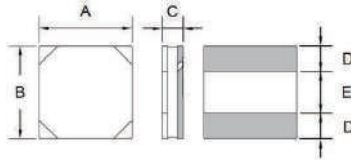
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max.	I sat (A) typ.	I rms (A) typ.
AHP3010HF-R47M	0.47	± 20	1V/1M	0.039	6.80	4.00
AHP3010HF-R68M	0.68	± 20	1V/1M	0.058	6.00	3.80
AHP3010HF-1R0M	1.00	± 20	1V/1M	0.080	5.30	3.00
AHP3010HF-1R5M	1.50	± 20	1V/1M	0.100	4.00	2.80
AHP3010HF-2R2M	2.20	± 20	1V/1M	0.135	3.20	2.30
AHP3010HF-3R3M	3.30	± 20	1V/1M	0.238	2.50	1.80
AHP3010HF-4R7M	4.70	± 20	1V/1M	0.315	2.20	1.60
AHP3010HF-6R8M	6.80	± 20	1V/1M	0.360	1.70	1.30
AHP3010HF-100M	10.0	± 20	1V/1M	0.420	1.30	1.10

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



Dimensions	
A	3.00±0.2
B	3.00±0.2
C	1.20Max
D	1.00ref
E	1.00ref

Units: mm

■ Specifications

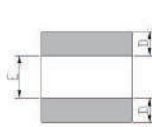
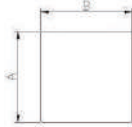
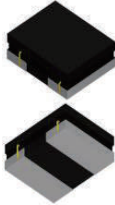
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max.	I sat (A) typ.	I rms (A) typ.
AHP3012HF-R33M	0.33	±20	1V/1M	0.024	9.00	5.50
AHP3012HF-R47M	0.47	±20	1V/1M	0.030	7.50	5.20
AHP3012HF-R68M	0.68	±20	1V/1M	0.038	6.50	4.50
AHP3012HF-1R0M	1.0	±20	1V/1M	0.049	5.20	4.00
AHP3012HF-1R5M	1.5	±20	1V/1M	0.072	4.50	3.50
AHP3012HF-2R2M	2.2	±20	1V/1M	0.108	3.60	2.80
AHP3012HF-3R3M	3.3	±20	1V/1M	0.156	3.00	2.10
AHP3012HF-4R7M	4.7	±20	1V/1M	0.216	2.60	1.80
AHP3012HF-6R8M	6.8	±20	1V/1M	0.300	2.20	1.50
AHP3012HF-100M	10.0	±20	1V/1M	0.350	1.50	1.40

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



Dimensions	
A	4.00±0.20
B	4.00±0.20
C	0.70±0.10
D	1.40±0.25
E	1.20±0.25

Units: mm

■ Specifications

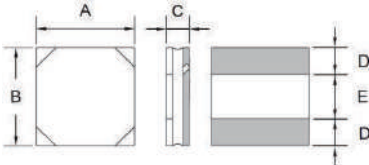
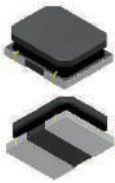
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max.	I sat (A) typ.	I rms (A) typ.
AHP4008RA-R47M	0.47	±20	1V/100K	0.072	6.00	3.50
AHP4008RA-R68M	0.68	±20	1V/100K	0.096	5.00	3.20
AHP4008RA-1R0M	1.00	±20	1V/100K	0.120	4.00	3.00
AHP4008RA-1R5M	1.50	±20	1V/100K	0.150	3.50	2.60
AHP4008RA-2R2M	2.20	±20	1V/100K	0.180	3.00	2.30
AHP4008RA-3R3M	3.30	±20	1V/100K	0.260	2.70	2.00
AHP4008RA-4R7M	4.70	±20	1V/100K	0.360	2.50	1.70
AHP4008RA-6R8M	6.80	±20	1V/100K	0.600	2.30	1.40
AHP4008RA-100M	10.0	±20	1V/100K	0.840	2.10	1.20

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



Dimensions	
A	4.00±0.20
B	4.00±0.20
C	1.00max
D	1.20ref
E	1.60ref

Units: mm

■ Specifications

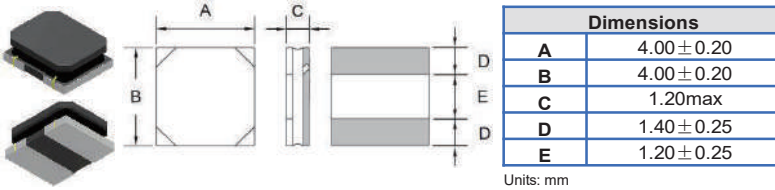
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max.	I sat (A) typ.	I rms (A) typ.
AHP4010HF-R47M	0.47	±20	1V/100K	0.045	8.00	4.50
AHP4010HF-R68M	0.68	±20	1V/100K	0.060	7.00	4.00
AHP4010HF-1R0M	1.00	±20	1V/100K	0.069	6.00	3.50
AHP4010HF-1R5M	1.50	±20	1V/100K	0.075	4.00	3.50
AHP4010HF-2R2M	2.20	±20	1V/100K	0.090	3.10	3.00
AHP4010HF-3R3M	3.30	±20	1V/100K	0.140	2.80	2.50
AHP4010HF-4R7M	4.70	±20	1V/100K	0.240	2.50	2.10
AHP4010HF-6R8M	6.80	±20	1V/100K	0.360	2.10	1.60
AHP4010HF-100M	10.0	±20	1V/100K	0.510	1.80	1.40

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



■ Specifications

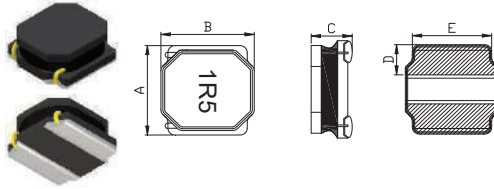
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) Max.	I sat (A) typ.	I rms (A) typ.
AHP4012HF-R47M	0.47	±20	1V/100K	0.033	10.00	6.00
AHP4012HF-R68M	0.68	±20	1V/100K	0.043	8.00	5.00
AHP4012HF-1R0M	1.00	±20	1V/100K	0.050	6.50	3.80
AHP4012HF-1R5M	1.50	±20	1V/100K	0.060	5.60	3.70
AHP4012HF-2R2M	2.20	±20	1V/100K	0.078	4.50	3.40
AHP4012HF-3R3M	3.30	±20	1V/100K	0.120	4.00	2.80
AHP4012HF-4R7M	4.70	±20	1V/100K	0.145	3.00	2.30
AHP4012HF-6R8M	6.80	±20	1V/100K	0.180	2.20	2.10
AHP4012HF-100M	10.0	±20	1V/100K	0.330	2.00	1.60

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



Dimensions	
A	4.00±0.20
B	4.00±0.20
C	1.80±0.20
D	1.10±0.30
E	3.50±0.30

Units: mm

■ Specifications

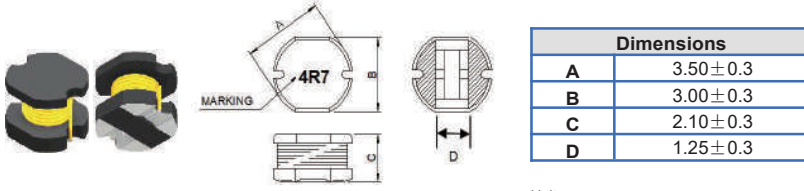
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) Max.	I sat (A) typ.	I rms (A) typ.
AHP4020BM-R22M	0.22	±20	1V/1M	10.90	23.00	9.50
AHP4020BM-R47M	0.47	±20	1V/1M	16.10	16.00	8.00
AHP4020BM-R68M	0.68	±20	1V/1M	20.70	12.00	7.40
AHP4020BM-1R0M	1.00	±20	1V/1M	26.00	11.10	6.70
AHP4020BM-1R5M	1.50	±20	1V/1M	36.00	10.00	6.00
AHP4020BM-2R2M	2.20	±20	1V/1M	48.00	7.60	5.00
AHP4020BM-3R3M	3.30	±20	1V/1M	72.00	5.90	4.00
AHP4020BM-4R7M	4.70	±20	1V/1M	108.0	5.10	3.30
AHP4020BM-6R8M	6.80	±20	1V/1M	154.0	4.60	2.80
AHP4020BM-100M	10.0	±20	1V/1M	216.0	4.00	2.40

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI 0302BM-R29Y	0.29	±30	1V/7.96M	0.015	5.00
FPI 0302BM-R30Y	0.30	±30	1V/7.96M	0.015	5.00
FPI 0302BM-R33Y	0.33	±30	1V/7.96M	0.015	5.00
FPI 0302BM-R47M	0.47	±20	1V/7.96M	0.025	4.00
FPI 0302BM-1R0M	1.0	±20	1V/7.96M	0.040	1.50
FPI 0302BM-1R4M	1.4	±20	1V/7.96M	0.050	1.50
FPI 0302BM-1R5M	1.5	±20	1V/7.96M	0.055	1.40
FPI 0302BM-1R8M	1.8	±20	1V/7.96M	0.060	0.80
FPI 0302BM-2R2M	2.2	±20	1V/7.96M	0.080	0.75
FPI 0302BM-2R7M	2.7	±20	1V/7.96M	0.100	0.75
FPI 0302BM-3R3M	3.3	±20	1V/7.96M	0.150	0.60
FPI 0302BM-3R9M	3.9	±20	1V/7.96M	0.200	0.50
FPI 0302BM-4R7M	4.7	±20	1V/7.96M	0.200	0.50
FPI 0302BM-5R6M	5.6	±20	1V/7.96M	0.230	0.45
FPI 0302BM-6R8M	6.8	±20	1V/7.96M	0.250	0.40
FPI 0302BM-8R2M	8.2	±20	1V/7.96M	0.300	0.40
FPI 0302BM-100M	10	±20	1V/2.52M	0.350	0.35

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 35%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Specifications

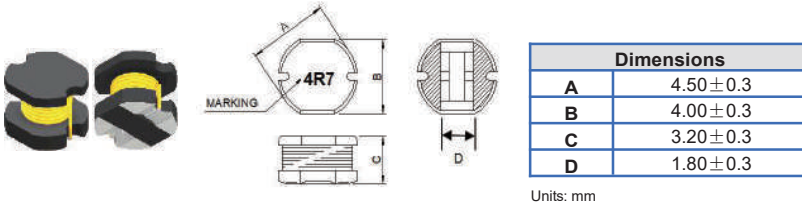
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI 0302BM-120M	12	±20	1V/2.52M	0.40	0.35
FPI 0302BM-150M	15	±20	1V/2.52M	0.50	0.30
FPI 0302BM-180M	18	±20	1V/2.52M	0.55	0.30
FPI 0302BM-220M	22	±20	1V/2.52M	0.60	0.30
FPI 0302BM-270M	27	±20	1V/2.52M	0.70	0.30
FPI 0302BM-330M	33	±20	1V/2.52M	1.00	0.25
FPI 0302BM-390M	39	±20	1V/2.52M	1.20	0.25
FPI 0302BM-470M	47	±20	1V/2.52M	1.50	0.20
FPI 0302BM-560M	56	±20	1V/2.52M	1.80	0.20
FPI 0302BM-680M	68	±20	1V/2.52M	2.00	0.18
FPI 0302BM-820M	82	±20	1V/2.52M	2.50	0.16
FPI 0302BM-101M	100	±20	1V/1K	3.00	0.15
FPI 0302BM-121M	120	±20	1V/1K	3.50	0.14
FPI 0302BM-151M	150	±20	1V/1K	4.00	0.13
FPI 0302BM-181M	180	±20	1V/1K	5.00	0.12
FPI 0302BM-221M	220	±20	1V/1K	5.50	0.10
FPI 0302BM-271M	270	±20	1V/1K	6.00	0.10
FPI 0302BM-331M	330	±20	1V/1K	7.00	0.10
FPI 0302BM-391M	390	±20	1V/1K	8.00	0.10
FPI 0302BM-471M	470	±20	1V/1K	12.00	0.09

Note:

1. Saturation Current (Isat) will cause L0 to drop approximately 35%.
2. Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI 0403BM-1R0M	1.0	±20	1V/7.96M	0.03	4.00
FPI 0403BM-1R4M	1.4	±20	1V/7.96M	0.04	3.50
FPI 0403BM-1R8M	1.8	±20	1V/7.96M	0.05	3.00
FPI 0403BM-2R2M	2.2	±20	1V/7.96M	0.06	2.60
FPI 0403BM-2R7M	2.7	±20	1V/7.96M	0.06	2.20
FPI 0403BM-3R3M	3.3	±20	1V/7.96M	0.07	2.00
FPI 0403BM-3R9M	3.9	±20	1V/7.96M	0.07	2.00
FPI 0403BM-4R7M	4.7	±20	1V/7.96M	0.08	1.90
FPI 0403BM-5R6M	5.6	±20	1V/7.96M	0.12	1.80
FPI 0403BM-6R8M	6.8	±20	1V/7.96M	0.14	1.60
FPI 0403BM-8R2M	8.2	±20	1V/7.96M	0.15	1.40
FPI 0403BM-100M	10	±20	1V/2.52M	0.19	1.10
FPI 0403BM-120M	12	±20	1V/2.52M	0.21	1.10
FPI 0403BM-150M	15	±20	1V/2.52M	0.25	1.00
FPI 0403BM-180M	18	±20	1V/2.52M	0.30	1.00
FPI 0403BM-220M	22	±20	1V/2.52M	0.35	1.00
FPI 0403BM-270M	27	±20	1V/2.52M	0.45	0.75

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 35%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI 0403BM-330M	33	±20	1V/2.52M	0.60	0.70
FPI 0403BM-390M	39	±20	1V/2.52M	0.70	0.65
FPI 0403BM-470M	47	±20	1V/2.52M	0.80	0.60
FPI 0403BM-560M	56	±20	1V/2.52M	0.85	0.55
FPI 0403BM-680M	68	±20	1V/2.52M	1.00	0.50
FPI 0403BM-820M	82	±20	1V/2.52M	1.10	0.46
FPI 0403BM-101M	100	±20	1V/1K	1.20	0.22
FPI 0403BM-121M	120	±20	1V/1K	1.60	0.20

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 35%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions

Dimensions	
A	5.80±0.30
B	5.20±0.30
C	3.00±0.30

Units: mm

■ Specifications

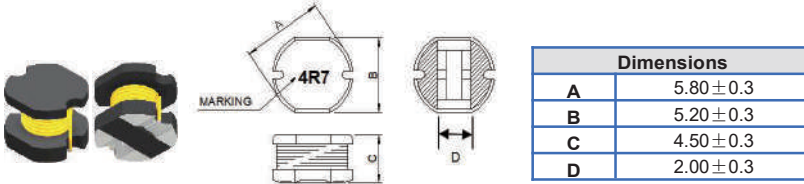
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) Max.	I sat (A) Max.	I rms (A) Max.
FPI 0503BM-1R5M	1.50	±20	100K/1V	37.0	4.10	4.10
FPI 0503BM-1R8M	1.80	±20	7.96M/1V	50.0	4.00	2.80
FPI 0503BM-2R2M	2.20	±20	7.96M/1V	50.0	3.50	3.50
FPI 0503BM-3R3M	3.30	±20	7.96M/1V	80.0	2.40	2.40
FPI 0503BM-4R7M	4.70	±20	7.96M/1V	130.0	1.30	1.30
FPI 0503BM-6R8M	6.80	±20	7.96M/1V	71.2	1.87	1.87
FPI 0503BM-8R2M	8.20	±20	7.96M/1V	100.0	2.00	2.00
FPI 0503BM-100M	10.0	±20	2.52M/1V	200.0	1.90	1.90
FPI 0503BM-150M	15.0	±20	2.52M/1V	240.0	1.80	1.80
FPI 0503BM-220M	22.0	±20	2.52M/1V	310.0	1.70	1.70
FPI 0503BM-270M	27.0	±20	2.52M/1V	350.0	1.50	1.50
FPI 0503BM-330M	33.0	±20	2.52M/1V	450.0	1.40	1.40

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 35%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI 0504BM-1R0M	1.0	±20	1V/7.96M	0.018	3.50
FPI 0504BM-1R2M	1.2	±20	1V/7.96M	0.019	3.50
FPI 0504BM-1R4M	1.4	±20	1V/7.96M	0.020	3.50
FPI 0504BM-1R5M	1.5	±20	1V/7.96M	0.025	3.50
FPI 0504BM-1R8M	1.8	±20	1V/7.96M	0.025	3.00
FPI 0504BM-2R2M	2.2	±20	1V/7.96M	0.030	2.80
FPI 0504BM-2R7M	2.7	±20	1V/7.96M	0.035	2.60
FPI 0504BM-3R3M	3.3	±20	1V/7.96M	0.040	2.50
FPI 0504BM-3R6M	3.6	±20	1V/7.96M	0.045	2.40
FPI 0504BM-3R9M	3.9	±20	1V/7.96M	0.050	2.30
FPI 0504BM-4R7M	4.7	±20	1V/7.96M	0.060	2.60
FPI 0504BM-5R6M	5.6	±20	1V/7.96M	0.070	2.40
FPI 0504BM-6R8M	6.8	±20	1V/7.96M	0.080	2.20
FPI 0504BM-8R2M	8.2	±20	1V/7.96M	0.080	2.00
FPI 0504BM-100M	10	±20	1V/2.52M	0.090	1.80
FPI 0504BM-120M	12	±20	1V/2.52M	0.100	1.60
FPI 0504BM-150M	15	±20	1V/2.52M	0.120	1.50

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 35%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI 0504BM-180M	18	±20	1V/2.52M	0.150	1.40
FPI 0504BM-220M	22	±20	1V/2.52M	0.180	1.30
FPI 0504BM-270M	27	±20	1V/2.52M	0.220	1.20
FPI 0504BM-330M	33	±20	1V/2.52M	0.260	1.00
FPI 0504BM-390M	39	±20	1V/2.52M	0.300	0.90
FPI 0504BM-470M	47	±20	1V/2.52M	0.350	0.85
FPI 0504BM-560M	56	±20	1V/2.52M	0.400	0.80
FPI 0504BM-680M	68	±20	1V/2.52M	0.450	0.70
FPI 0504BM-820M	82	±20	1V/2.52M	0.500	0.70
FPI 0504BM-101M	100	±20	1V/1K	0.700	0.60
FPI 0504BM-121M	120	±20	1V/1K	0.750	0.60

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 35%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions

Dimensions	
A	7.80±0.3
B	7.00±0.3
C	3.50±0.3
D	2.60±0.3

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI 0703BM-100M	10	±20	1V/2.52M	0.0803	1.44
FPI 0703BM-120M	12	±20	1V/2.52M	0.0897	1.39
FPI 0703BM-150M	15	±20	1V/2.52M	0.1040	1.24
FPI 0703BM-180M	18	±20	1V/2.52M	0.1110	1.12
FPI 0703BM-220M	22	±20	1V/2.52M	0.1290	1.07
FPI 0703BM-270M	27	±20	1V/2.52M	0.1530	0.97
FPI 0703BM-330M	33	±20	1V/2.52M	0.1700	0.85
FPI 0703BM-390M	39	±20	1V/2.52M	0.2170	0.74
FPI 0703BM-470M	47	±20	1V/2.52M	0.2520	0.68
FPI 0703BM-560K	56	±10	1V/2.52M	0.2820	0.64
FPI 0703BM-680K	68	±10	1V/2.52M	0.3320	0.59
FPI 0703BM-820K	82	±10	1V/2.52M	0.4060	0.54
FPI 0703BM-101K	100	±10	1V/1K	0.4810	0.51
FPI 0703BM-121K	120	±10	1V/1K	0.5360	0.49
FPI 0703BM-151K	150	±10	1V/1K	0.7550	0.40
FPI 0703BM-181K	180	±10	1V/1K	1.0220	0.36
FPI 0703BM-221K	220	±10	1V/1K	1.2000	0.31

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 35%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Specifications

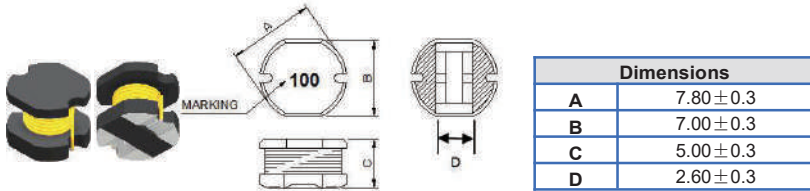
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI 0703BM-271K	270	±10	1V/1K	1.3060	0.29
FPI 0703BM-331K	330	±10	1V/1K	1.4950	0.28

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 35%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI 0705BM-3R3M	3.30	±20	1V/7.96M	0.03	4.60
FPI 0705BM-4R7M	4.70	±20	1V/7.96M	0.04	4.20
FPI 0705BM-100M	10.0	±20	1V/2.52M	0.07	2.30
FPI 0705BM-120M	12.0	±20	1V/2.52M	0.08	2.00
FPI 0705BM-150M	15.0	±20	1V/2.52M	0.09	1.80
FPI 0705BM-180M	18.0	±20	1V/2.52M	0.10	1.60
FPI 0705BM-220M	22.0	±20	1V/2.52M	0.11	1.50
FPI 0705BM-270M	27.0	±20	1V/2.52M	0.12	1.30
FPI 0705BM-330M	33.0	±20	1V/2.52M	0.13	1.20
FPI 0705BM-390M	39.0	±20	1V/2.52M	0.16	1.10
FPI 0705BM-470K	47.0	±10	1V/2.52M	0.18	1.10
FPI 0705BM-560K	56.0	±10	1V/2.52M	0.24	0.94
FPI 0705BM-680K	68.0	±10	1V/2.52M	0.28	0.85
FPI 0705BM-820K	82.0	±10	1V/2.52M	0.37	0.78
FPI 0705BM-101K	100	±10	1V/1K	0.43	0.72
FPI 0705BM-121K	120	±10	1V/1K	0.47	0.66
FPI 0705BM-151K	150	±10	1V/1K	0.64	0.58

Note:

1. Saturation Current (Isat) will cause L0 to drop approximately 35%.
2. Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



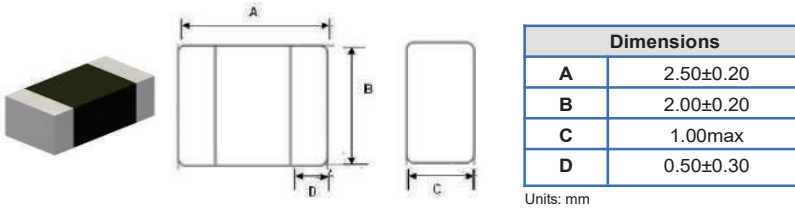
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A) max.
FPI 0705BM-181K	180	±10	1V/1K	0.71	0.51
FPI 0705BM-221K	220	±10	1V/1K	0.96	0.49
FPI 0705BM-271K	270	±10	1V/1K	1.11	0.42
FPI 0705BM-331K	330	±10	1V/1K	1.26	0.40
FPI 0705BM-391K	390	±10	1V/1K	1.77	0.36
FPI 0705BM-471K	470	±10	1V/1K	1.96	0.34

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 35%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C

■ Dimensions



Units: mm

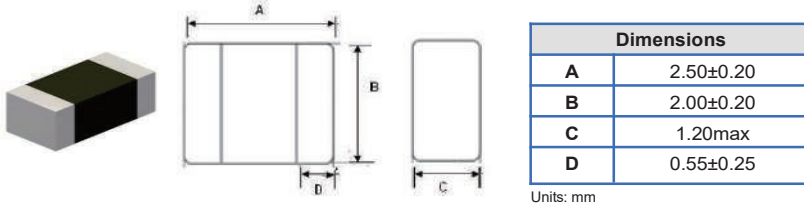
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
AWP252010FW-R24M	0.24	±20	1M/1V	18	22	6.3	5.6	5.7	5.0
AWP252010FW-R36M	0.36	±20	1M/1V	23	28	4.9	4.5	4.7	4.3
AWP252010FW-R47M	0.47	±20	1M/1V	28	34	4.5	4.2	4.4	4.0
AWP252010FW-R68M	0.68	±20	1M/1V	34	41	4.3	3.8	4.2	3.6
AWP252010FW-R82M	0.82	±20	1M/1V	40	48	4.0	3.5	3.8	3.3
AWP252010FW-1R0M	1.00	±20	1M/1V	52	62	3.7	3.35	3.4	3.0
AWP252010FW-1R5M	1.50	±20	1M/1V	82	98	2.9	2.6	2.6	2.2
AWP252010FW-2R2M	2.20	±20	1M/1V	105	126	2.3	1.9	2.2	1.8
AWP252010FW-3R3M	3.30	±20	1M/1V	130	156	2.1	1.7	2.0	1.6
AWP252010FW-4R7M	4.70	±20	1M/1V	230	264	1.3	1.6	1.2	1.4

Note:

1. Saturation Current (Isat) will cause L0 to drop approximately 30%.
2. Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C

■ Dimensions



Units: mm

■ Specifications

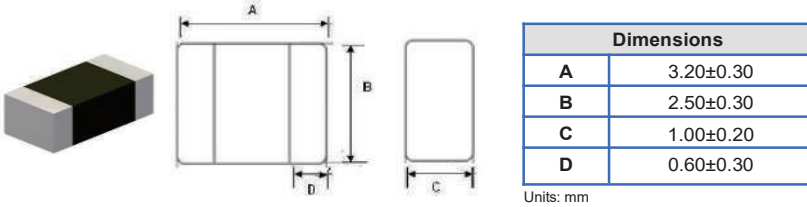
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
AWP252012FW-R24M	0.24	±20	1M/1V	15	18	7.5	6.5	6.2	5.5
AWP252012FW-R36M	0.36	±20	1M/1V	17	21	6.1	5.6	5.4	4.7
AWP252012FW-R47M	0.47	±20	1M/1V	21	25	5.5	4.6	5.0	4.4
AWP252012FW-R56M	0.56	±20	1M/1V	24	29	5.0	4.5	4.8	4.1
AWP252012FW-R68M	0.68	±20	1M/1V	28	34	4.6	4.0	4.5	3.9
AWP252012FW-R82M	0.82	±20	1M/1V	32	39	4.3	3.8	4.1	3.6
AWP252012FW-1R0M	1.00	±20	1M/1V	37	45	4.0	3.6	3.7	3.3
AWP252012FW-1R5M	1.50	±20	1M/1V	60	72	3.3	2.9	3.0	2.6
AWP252012FW-2R2M	2.20	±20	1M/1V	81	98	2.6	2.3	2.5	2.2
AWP252012FW-3R3M	3.30	±20	1M/1V	112	134	2.3	2.1	2.2	1.9
AWP252012FW-4R7M	4.70	±20	1M/1V	175	210	1.8	1.6	1.8	1.6

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.
- 2.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



■ Specifications

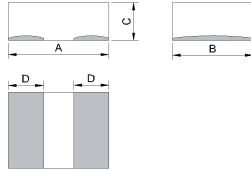
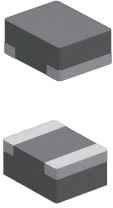
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
AWP322512FW-R33M	0.33	±20	100K/1V	11	14	8.2	7.8	8.0	7.5
AWP322512FW-R47M	0.47	±20	100K/1V	16	20	7.5	7.0	7.0	6.6
AWP322512FW-R68M	0.68	±20	100K/1V	23	28	5.7	5.1	6.2	5.7
AWP322512FW-1R0M	1.00	±20	100K/1V	28	34	5.5	5.0	5.3	4.9
AWP322512FW-1R5M	1.50	±20	100K/1V	48	58	4.3	3.7	4.1	3.5
AWP322512FW-2R2M	2.20	±20	100K/1V	62	71	3.5	3.0	3.4	3.0
AWP322512FW-3R3M	3.30	±20	100K/1V	88	101	2.6	2.3	2.8	2.2

Note:

1. Saturation Current (Isat) will cause L0 to drop approximately 30%.
2. Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C



■ Dimensions



Dimensions	
A	2.00±0.30
B	1.60±0.30
C	0.80±0.20
D	0.70±0.30

Units: mm

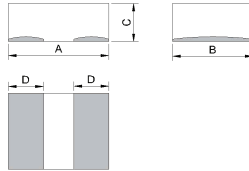
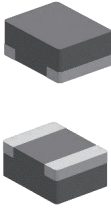
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM201610A-R24MG	0.24	±20	1V/100K	18.0	20.5	7.7	6.7	6.5	5.5
TMIM201610A-R33MG	0.33	±20	1V/100K	21.0	26.0	7.0	6.2	5.7	5.2
TMIM201610A-R47MG	0.47	±20	1V/100K	28.0	32.0	6.0	5.3	5.3	4.7
TMIM201610A-R68MG	0.68	±20	1V/100K	44.0	50.0	5.0	4.4	4.0	3.4
TMIM201610A-1R0MG	1.00	±20	1V/100K	49.0	59.0	4.4	3.8	3.6	3.2
TMIM201610A-1R5MG	1.50	±20	1V/100K	80.0	96.0	3.0	2.7	2.6	2.3
TMIM201610A-2R2MG	2.20	±20	1V/100K	130.0	150.0	2.65	2.45	2.3	2.0

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C.
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ Dimensions



Dimensions	
A	2.50±0.30
B	2.00±0.30
C	0.80±0.20
D	0.90±0.30

Units: mm

■ Specifications

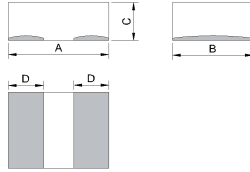
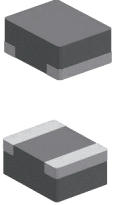
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM252010A-R22MG	0.22	± 20	1V/100K	9.7	11.2	7.7	7.2	7.2	6.6
TMIM252010A-R33MG	0.33	± 20	1V/100K	12.0	14.4	7.3	7.0	6.6	6.0
TMIM252010A-R47MG	0.47	± 20	1V/100K	17.0	20.4	6.0	5.4	5.8	5.1
TMIM252010A-R82MG	0.82	± 20	1V/100K	26.2	31.4	5.2	4.8	5.0	4.7
TMIM252010A-1R0MG	1.00	± 20	1V/100K	38.0	45.6	4.6	3.8	4.3	4.0
TMIM252010A-1R5MG	1.50	± 20	1V/100K	50.0	60.0	3.5	3.2	3.3	3.0
TMIM252010A-2R2MG	2.20	± 20	1V/100K	85.0	102.0	3.0	2.7	2.8	2.5

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C.
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



■ Dimensions



Dimensions	
A	3.20±0.30
B	2.50±0.30
C	1.00±0.20
D	1.10±0.30

Units: mm

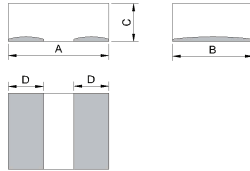
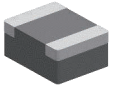
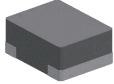
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM322512A-R22MG	0.22	±20	1V/100K	7.4	8.5	9.3	8.7	9.5	9.0
TMIM322512A-R33MG	0.33	±20	1V/100K	10.0	13.0	9.1	8.5	8.5	8.0
TMIM322512A-R47MG	0.47	±20	1V/100K	16.0	19.2	8.2	7.4	7.0	6.5
TMIM322512A-R68MG	0.68	±20	1V/100K	20.0	24.0	7.3	6.8	6.2	5.7
TMIM322512A-1R0MG	1.00	±20	1V/100K	26.0	32.0	6.5	5.7	5.5	5.0
TMIM322512A-1R5MG	1.50	±20	1V/100K	44.0	53.0	5.0	4.5	4.4	3.9
TMIM322512A-2R2MG	2.20	±20	1V/100K	61.0	73.0	4.8	4.3	4.0	3.6
TMIM322512A-3R3MG	3.30	±20	1V/100K	87.0	101.0	3.4	3.0	3.1	2.8
TMIM322512A-4R7MG	4.70	±20	1V/100K	122.0	146.0	2.8	2.4	2.2	1.9
TMIM322512A-5R6MG	5.60	±20	1V/100K	170.0	204.0	2.2	1.9	1.9	1.6
TMIM322512A-6R8MG	6.80	±20	1V/100K	183.0	220.0	1.8	1.5	1.7	1.4

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C.
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ Dimensions



Dimensions	
A	3.20±0.30
B	2.50±0.30
C	1.80±0.20
D	1.10±0.30

Units: mm

■ Specifications

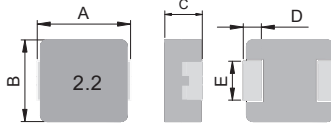
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMIM322520A-R33MG	0.33	± 20	1V/100K	8.0	9.6	11.0	10.0	8.5	8.0
TMIM322520A-R47MG	0.47	± 20	1V/100K	9.3	11.2	9.0	8.0	8.0	7.5
TMIM322520A-R68MG	0.68	± 20	1V/100K	13.3	16.0	8.0	7.0	7.0	6.4
TMIM322520A-1R0MG	1.00	± 20	1V/100K	18.3	22.0	7.5	6.2	6.2	5.8
TMIM322520A-1R5MG	1.50	± 20	1V/100K	25.8	31.0	6.0	5.0	5.3	4.8

Note:

1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C.2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



■ Dimensions



Dimensions	
A	3.50±0.20
B	3.20±0.20
C	1.00±0.20
D	0.70±0.20
E	1.20±0.20

Units: mm

■ Specifications

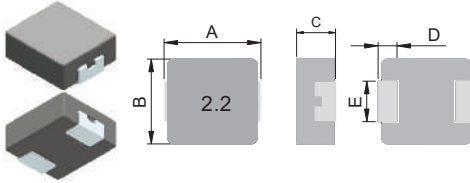
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0312H-R47MG	0.47	±20	1V/100K	25	30	7.2	6.5	5.0	4.5
TMPC0312H-R56MG	0.56	±20	1V/100K	31	36	6.6	5.8	4.5	4.0
TMPC0312H-R68MG	0.68	±20	1V/100K	34	40	6.1	5.6	4.0	3.5
TMPC0312H-R82MG	0.82	±20	1V/100K	41	48	5.8	5.3	3.5	3.0
TMPC0312H-1R0MG	1.00	±20	1V/100K	50	60	5.5	5.0	3.3	2.9
TMPC0312H-1R5MG	1.50	±20	1V/100K	71	85	4.0	3.6	3.0	2.6
TMPC0312H-2R2MG	2.20	±20	1V/100K	98	115	3.4	3.0	2.7	2.3
TMPC0312H-3R3MG	3.30	±20	1V/100K	191	210	3.1	2.8	2.0	1.7
TMPC0312H-4R7MG	4.70	±20	1V/100K	266	293	2.8	2.5	1.6	1.4
TMPC0312H-5R6MG	5.60	±20	1V/100K	310	360	2.2	1.9	1.5	1.3
TMPC0312H-6R8MG	6.80	±20	1V/100K	360	400	2.0	1.7	1.4	1.2
TMPC0312H-8R2MG	8.20	±20	1V/100K	420	463	1.7	1.5	1.2	1.0
TMPC0312H-100MG	10.0	±20	1V/100K	498	550	1.4	1.2	1.0	0.8

Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



■ Dimensions



Dimensions	
A	3.50±0.30
B	3.20±0.20
C	1.30±0.20
D	0.70±0.20
E	1.20±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0315H-R22MG	0.22	±20	1V/100K	14	17	10.8	/	7.0	/
TMPC0315H-R47MG	0.47	±20	1V/100K	23.3	28	8.0	/	5.5	/
TMPC0315H-R56MG	0.56	±20	1V/100K	28	33	7.2	/	5.0	/
TMPC0315H-R68MG	0.68	±20	1V/100K	34	42	6.5	/	4.5	/
TMPC0315H-1R0MG	1.00	±20	1V/100K	41	50	5.8	/	3.6	/
TMPC0315H-1R5MG	1.50	±20	1V/100K	64	77	4.0	/	3.4	/
TMPC0315H-2R2MG	2.20	±20	1V/100K	82	98	3.8	/	3.2	/
TMPC0315H-3R3MG	3.30	±20	1V/100K	170	205	3.2	/	2.5	/
TMPC0315H-4R7MG	4.70	±20	1V/100K	220	264	2.8	/	1.9	/
TMPC0315H-5R6MG	5.60	±20	1V/100K	265	318	2.3	/	1.7	/
TMPC0315H-6R8MG	6.80	±20	1V/100K	290	348	2.0	/	1.5	/
TMPC0315H-8R2MG	8.20	±20	1V/100K	390	468	1.8	/	1.3	/
TMPC0315H-100MG	10.0	±20	1V/100K	435	522	1.6	/	1.2	/

Note:

- 1.Heat Rated Current (I rms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (I sat) will cause L0 to drop approximately 30%.



■ Dimensions

Dimensions	
A	3.50±0.30
B	3.20±0.20
C	1.80±0.20
D	0.70±0.20
E	1.20±0.20

Units: mm

■ Specifications

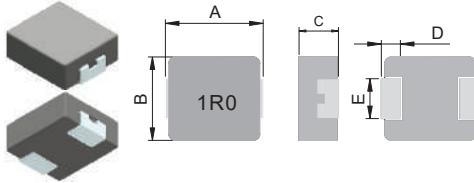
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0302H-R10YG	0.10	±30	1V/100K	6.6	9.0	14.0	12.5	10.5	9.5
TMPC0302H-R22YG	0.22	±30	1V/100K	11	14	11.2	10.5	9.0	8.0
TMPC0302H-R33MG	0.33	±20	1V/100K	17	21	10.0	9.0	8.0	7.0
TMPC0302H-R47MG	0.47	±20	1V/100K	19.7	23	9.0	8.0	7.0	6.0
TMPC0302H-R60MG	0.60	±20	1V/100K	24	28	7.5	6.9	6.0	5.0
TMPC0302H-R68MG	0.68	±20	1V/100K	25.5	29	7.0	6.5	5.5	4.5
TMPC0302H-R82MG	0.82	±20	1V/100K	27	32	6.0	5.5	4.8	4.3
TMPC0302H-1R0MG	1.00	±20	1V/100K	32	38	5.0	4.5	4.0	3.5
TMPC0302H-1R2MG	1.20	±20	1V/100K	39	47	4.5	4.0	3.9	3.3
TMPC0302H-1R5MG	1.50	±20	1V/100K	42	50	4.0	3.5	3.8	3.1
TMPC0302H-2R2MG	2.20	±20	1V/100K	65	75	3.7	3.2	3.5	3.0
TMPC0302H-3R3MG	3.30	±20	1V/100K	125	145	3.5	3.0	3.0	2.6
TMPC0302H-4R7MG	4.70	±20	1V/100K	172	200	3.0	2.6	2.6	2.2
TMPC0302H-5R6MG	5.60	±20	1V/100K	205	238	2.6	2.2	2.2	1.8
TMPC0302H-6R8MG	6.80	±20	1V/100K	260	300	2.2	1.9	1.9	1.5
TMPC0302H-8R2MG	8.20	±20	1V/100K	340	390	1.9	1.6	1.6	1.3
TMPC0302H-100MG	10.0	±20	1V/100K	366	422	1.6	1.4	1.4	1.1

Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Dimensions



Dimensions	
A	4.45±0.25
B	4.06±0.25
C	1.00±0.20
D	0.76±0.30
E	2.00±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0412HP-R10YG-Z02	0.10	±30	1V/100K	4.3	5.5	25.0	22.0	11.5	10.0
TMPC0412HP-R12YG-Z02	0.12	±30	1V/100K	4.8	6.2	23.0	21.0	10.5	10.0
TMPC0412HP-R15YG-Z02	0.15	±30	1V/100K	5.5	6.8	21.5	19.0	10.0	9.00
TMPC0412HP-R22MG-Z02	0.22	±20	1V/100K	6.6	8.0	20.0	17.0	8.50	7.50
TMPC0412HP-R25MG-Z02	0.25	±20	1V/100K	8.0	10	16.0	14.0	8.20	7.00
TMPC0412HP-R33MG-Z02	0.33	±20	1V/100K	13.6	16	11.0	9.00	7.00	6.00
TMPC0412HP-R36MG-Z02	0.36	±20	1V/100K	15.5	18	8.50	7.00	6.50	5.50
TMPC0412HP-R47MG-Z02	0.47	±20	1V/100K	18	20	6.50	5.50	6.00	5.00
TMPC0412HP-R60MG-Z02	0.60	±20	1V/100K	22.5	26	6.00	5.00	5.30	4.50
TMPC0412HP-R68MG-Z02	0.68	±20	1V/100K	32	37	6.00	5.00	5.00	4.00
TMPC0412HP-R82MG-Z02	0.82	±20	1V/100K	38	44	6.00	5.00	4.50	3.80
TMPC0412HP-1R0MG-Z02	1.00	±20	1V/100K	41	47	6.00	5.00	4.00	3.50
TMPC0412HP-1R2MG-Z02	1.20	±20	1V/100K	48	56	5.00	4.20	3.50	2.70
TMPC0412HP-1R5MG-Z02	1.50	±20	1V/100K	55	63.3	4.00	3.20	3.00	2.40
TMPC0412HP-2R2MG-Z02	2.20	±20	1V/100K	69.2	80	3.50	3.00	2.80	2.20
TMPC0412HP-3R3MG-Z02	3.30	±20	1V/100K	84	97	3.00	2.70	2.30	2.00
TMPC0412HP-4R7MG-Z02	4.70	±20	1V/100K	128	145	2.50	2.30	2.00	1.70
TMPC0412HP-5R6MG-Z02	5.60	±20	1V/100K	180	208	2.30	2.00	1.70	1.50
TMPC0412HP-6R8MG-Z02	6.80	±20	1V/100K	300	360	1.70	1.50	1.50	1.30
TMPC0412HP-8R2MG-Z02	8.20	±20	1V/100K	313	376	1.60	1.40	1.40	1.10
TMPC0412HP-100MG-Z02	10.0	±20	1V/100K	410	463	1.40	1.20	1.30	1.00

Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



■ Dimensions

Dimensions	
A	4.45±0.25
B	4.06±0.25
C	1.30±0.20
D	0.76±0.30
E	2.00±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0415HP-R12YG-Z02	0.12	±30	1V/100K	4.0	5.0	20.0	/	15.0	/
TMPC0415HP-R22MG-Z02	0.22	±20	1V/100K	6.5	7.8	20.0	/	10.0	/
TMPC0415HP-R47MG-Z02	0.47	±20	1V/100K	15.0	19.0	11.0	/	8.0	/
TMPC0415HP-R68MG-Z02	0.68	±20	1V/100K	19.0	21.5	8.5	/	6.5	/
TMPC0415HP-R82MG-Z02	0.82	±20	1V/100K	29.0	36.0	7.5	/	5.5	/
TMPC0415HP-1R0MG-Z02	1.00	±20	1V/100K	34.0	40.0	7.0	/	5.0	/
TMPC0415HP-2R2MG-Z02	2.20	±20	1V/100K	63.0	72.0	4.0	/	3.2	/
TMPC0415HP-4R7MG-Z02	4.70	±20	1V/100K	120	140	2.8	/	2.2	/
TMPC0415HP-6R8MG-Z02	6.80	±20	1V/100K	230	276	2.3	/	1.7	/
TMPC0415HP-100MG-Z02	10.0	±20	1V/100K	345	400	1.9	/	1.5	/

Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Dimensions

Dimensions	
A	4.45±0.25
B	4.06±0.25
C	1.80±0.20
D	0.76±0.30
E	2.00±0.20

Units: mm

■ Specifications

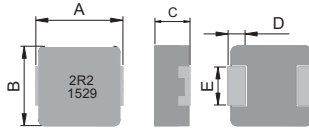
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0402HP-R33MG-Z02	0.33	±20	1V/100K	7.8	8.6	18.0	/	10.0	/
TMPC0402HP-R36MG-Z02	0.36	±20	1V/100K	8.7	12.0	15.0	/	9.0	/
TMPC0402HP-R47MG-Z02	0.47	±20	1V/100K	11.2	14.0	12.0	/	8.0	/
TMPC0402HP-R56MG-Z02	0.56	±20	1V/100K	13.5	16.0	10.0	/	7.3	/
TMPC0402HP-R68MG-Z02	0.68	±20	1V/100K	16.0	19.0	10.0	/	7.0	/
TMPC0402HP-1R0MG-Z02	1.00	±20	1V/100K	22.0	27.0	8.5	/	5.0	/
TMPC0402HP-1R2MG-Z02	1.20	±20	1V/100K	25.0	30.0	7.8	/	4.8	/
TMPC0402HP-1R5MG-Z02	1.50	±20	1V/100K	34.8	42.0	7.0	/	4.5	/
TMPC0402HP-2R2MG-Z02	2.20	±20	1V/100K	51.0	61.0	6.0	/	4.0	/
TMPC0402HP-3R3MG-Z02	3.30	±20	1V/100K	69.0	76.0	4.0	/	3.5	/
TMPC0402HP-4R7MG-Z02	4.70	±20	1V/100K	95.0	105	3.5	/	2.6	/
TMPC0402HP-5R6MG-Z02	5.60	±20	1V/100K	112	125	3.0	/	2.2	/
TMPC0402HP-6R8MG-Z02	6.80	±20	1V/100K	150	172	2.8	/	2.1	/
TMPC0402HP-8R2MG-Z02	8.20	±20	1V/100K	158	180	2.5	/	2.0	/
TMPC0402HP-100MG-Z02	10.0	±20	1V/100K	215	243	2.3	/	1.8	/
TMPC0402HP-150MG-Z02	15.0	±20	1V/100K	325	374	1.9	/	1.5	/
TMPC0402HP-200MG-Z02	20.0	±20	1V/100K	435	480	1.7	/	1.3	/
TMPC0402HP-220MG-Z02	22.0	±20	1V/100K	470	500	1.4	/	1.2	/

Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Dimensions



Dimensions	
A	5.70±0.30
B	5.20±0.20
C	1.00±0.20
D	1.10±0.30
E	2.50±0.30

Units: mm

■ Specifications

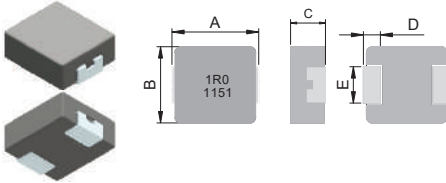
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0512HP-R10YG-D	0.10	±30	1V/100K	4.3	5.2	14.5	14.0	14.0	13.0
TMPC0512HP-R15YG-D	0.15	±30	1V/100K	4.5	6.0	14.2	13.8	12.0	11.0
TMPC0512HP-R22MG-D	0.22	±20	1V/100K	5.5	6.7	14.0	13.5	10.7	10.0
TMPC0512HP-R33MG-D	0.33	±20	1V/100K	7.8	9.4	13.5	13.0	8.5	8.0
TMPC0512HP-R36MG-D	0.36	±20	1V/100K	10.0	11.5	13.0	12.5	8.0	7.5
TMPC0512HP-R47MG-D	0.47	±20	1V/100K	13.6	15.8	11.0	10.5	7.0	6.5
TMPC0512HP-R68MG-D	0.68	±20	1V/100K	21.5	24.5	9.0	8.5	6.0	5.5
TMPC0512HP-1R0MG-D	1.00	±20	1V/100K	26.0	30.0	6.0	5.5	5.0	4.5
TMPC0512HP-1R2MG-D	1.20	±20	1V/100K	33.0	40.0	5.5	5.0	4.5	4.0
TMPC0512HP-1R5MG-D	1.50	±20	1V/100K	38.0	44.0	5.0	4.5	4.0	3.5
TMPC0512HP-2R2MG-D	2.20	±20	1V/100K	65.0	75.0	4.0	3.6	3.5	3.0
TMPC0512HP-3R3MG-D	3.30	±20	1V/100K	75.0	86.0	3.8	3.4	3.0	2.6
TMPC0512HP-4R7MG-D	4.70	±20	1V/100K	100	115	3.2	3.1	2.5	2.2
TMPC0512HP-5R6MG-D	5.60	±20	1V/100K	175	201	3.2	2.9	2.4	1.9
TMPC0512HP-6R8MG-D	6.80	±20	1V/100K	193	222	3.0	2.6	2.0	1.6
TMPC0512HP-8R2MG-D	8.20	±20	1V/100K	327	378	2.8	2.4	1.7	1.5
TMPC0512HP-100MG-D	10.0	±20	1V/100K	335	385	1.8	1.6	1.5	1.4

Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Dimensions



Dimensions	
A	5.70±0.30
B	5.20±0.20
C	1.30±0.20
D	1.10±0.30
E	2.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0515HP-R20MG-D	0.20	±20	1V/100K	3.8	4.2	22.5	20.0	15.0	13.0
TMPC0515HP-R22MG-D	0.22	±20	1V/100K	5.0	6.5	20.0	18.0	12.0	10.0
TMPC0515HP-R33MG-D	0.33	±20	1V/100K	8.5	9.8	16.0	15.0	9.0	8.0
TMPC0515HP-R36MG-D	0.36	±20	1V/100K	10.0	12.5	15.5	14.5	8.5	7.5
TMPC0515HP-R47MG-D	0.47	±20	1V/100K	12.0	13.8	15.0	14.0	8.0	7.0
TMPC0515HP-R68MG-D	0.68	±20	1V/100K	14.0	16.2	13.0	12.0	7.0	6.0
TMPC0515HP-1R0MG-D	1.00	±20	1V/100K	22.0	25.3	9.0	8.0	6.0	5.0
TMPC0515HP-1R5MG-D	1.50	±20	1V/100K	39.0	45.0	7.0	6.0	4.5	3.5
TMPC0515HP-2R2MG-D	2.20	±20	1V/100K	45.0	52.0	6.0	5.0	4.0	3.5
TMPC0515HP-3R3MG-D	3.30	±20	1V/100K	78.0	90.0	4.5	3.5	3.2	2.7
TMPC0515HP-4R7MG-D	4.70	±20	1V/100K	103	118	4.0	3.0	2.7	2.2
TMPC0515HP-5R6MG-D	5.60	±20	1V/100K	126	152	3.2	2.7	2.4	2.0
TMPC0515HP-6R8MG-D	6.80	±20	1V/100K	142	171	3.0	2.5	2.3	1.9
TMPC0515HP-8R2MG-D	8.20	±20	1V/100K	175	210	2.6	2.2	2.1	1.7
TMPC0515HP-100MG-D	10.0	±20	1V/100K	210	235	2.3	2.0	2.0	1.6
TMPC0515HP-150MG-D	15.0	±20	1V/100K	310	380	2.0	1.6	1.6	1.3
TMPC0515HP-220MG-D	22.0	±20	1V/100K	405	466	1.7	1.3	1.2	1.0

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Dimensions

Dimensions	
A	5.70±0.30
B	5.20±0.20
C	1.60±0.20
D	1.10±0.30
E	2.50±0.30

Units: mm

■ Specifications

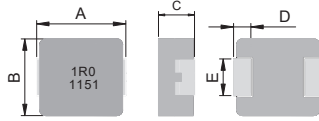
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0518HP-R33MG-D	0.33	±20	1V/100K	7.5	8.6	15.0	14.0	11.0	10.0
TMPC0518HP-R47MG-D	0.47	±20	1V/100K	9.8	11.3	14.0	13.0	10.0	9.0
TMPC0518HP-R56MG-D	0.56	±20	1V/100K	11.0	13.0	13.5	12.5	9.5	8.5
TMPC0518HP-R68MG-D	0.68	±20	1V/100K	12.4	14.3	13.0	11.5	9.0	8.0
TMPC0518HP-1R0MG-D	1.00	±20	1V/100K	18.2	21.0	10.0	9.0	6.8	6.0
TMPC0518HP-1R5MG-D	1.50	±20	1V/100K	26.0	30.0	9.0	8.0	6.0	5.0
TMPC0518HP-2R0MG-D	2.00	±20	1V/100K	35.0	42.0	8.0	7.0	5.0	4.0
TMPC0518HP-2R2MG-D	2.20	±20	1V/100K	42.0	48.3	7.5	6.5	4.5	3.7
TMPC0518HP-3R3MG-D	3.30	±20	1V/100K	60.0	69.0	5.0	4.5	3.5	3.0
TMPC0518HP-4R7MG-D	4.70	±20	1V/100K	85.0	98.0	4.5	4.0	3.0	2.6
TMPC0518HP-5R6MG-D	5.60	±20	1V/100K	110	127	4.0	3.7	2.5	2.1
TMPC0518HP-6R8MG-D	6.80	±20	1V/100K	118	137	3.5	3.2	2.4	2.0
TMPC0518HP-8R2MG-D	8.20	±20	1V/100K	143	165	3.0	2.8	2.3	1.9
TMPC0518HP-100MG-D	10.0	±20	1V/100K	165	190	2.8	2.5	2.3	1.9
TMPC0518HP-150MG-D	15.0	±20	1V/100K	275	318	2.3	2.0	1.7	1.4

Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Dimensions



Dimensions	
A	5.70±0.30
B	5.20±0.20
C	1.80±0.20
D	1.10±0.30
E	2.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0502HP-R10YG-D	0.10	±30	1V/100K	3.6	4.0	45.0	40.0	18.0	16.0
TMPC0502HP-R12YG-D	0.12	±30	1V/100K	3.7	4.3	35.0	30.0	17.0	15.0
TMPC0502HP-R15YG-D	0.15	±30	1V/100K	3.8	4.6	27.0	23.0	16.0	14.0
TMPC0502HP-R22MG-D	0.22	±20	1V/100K	4.0	5.5	25.0	22.0	15.0	13.0
TMPC0502HP-R24MG-D	0.24	±20	1V/100K	6.0	7.0	23.0	21.0	13.0	12.0
TMPC0502HP-R33MG-D	0.33	±20	1V/100K	6.3	7.3	21.3	20.0	12.0	11.0
TMPC0502HP-R36MG-D	0.36	±20	1V/100K	6.8	7.8	20.0	18.0	11.8	11.0
TMPC0502HP-R47MG-D	0.47	±20	1V/100K	7.3	8.6	18.0	16.0	11.5	10.5
TMPC0502HP-R56MG-D	0.56	±20	1V/100K	9.3	11.2	15.0	14.0	10.7	10.2
TMPC0502HP-R68MG-D	0.68	±20	1V/100K	11.0	12.4	12.8	12.0	10.0	9.5
TMPC0502HP-R82MG-D	0.82	±20	1V/100K	15.0	18.0	14.0	12.0	8.5	7.5
TMPC0502HP-1R0MG-D	1.00	±20	1V/100K	17.5	20.0	13.7	12.0	7.0	6.5
TMPC0502HP-1R2MG-D	1.20	±20	1V/100K	23.0	28.0	11.0	10.0	6.2	6.0
TMPC0502HP-1R5MG-D	1.50	±20	1V/100K	26.5	30.5	9.8	9.0	5.5	5.0
TMPC0502HP-2R2MG-D	2.20	±20	1V/100K	42.0	50.0	9.0	8.0	4.2	3.8
TMPC0502HP-2R7MG-D	2.70	±20	1V/100K	50.0	58.0	8.2	7.5	4.0	3.6
TMPC0502HP-3R3MG-D	3.30	±20	1V/100K	66.0	76	7.3	7.0	3.3	3.0

Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Specifications

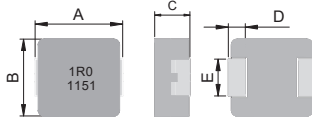
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0502HP-4R7MG-D	4.70	±20	1V/100K	103	116	5.0	4.6	2.8	2.5
TMPC0502HP-5R6MG-D	5.60	±20	1V/100K	112	122	4.0	3.7	2.5	2.1
TMPC0502HP-6R8MG-D	6.80	±20	1V/100K	130	150	3.8	3.5	2.4	2.0
TMPC0502HP-8R2MG-D	8.20	±20	1V/100K	148	171	3.5	3.3	2.3	2.0
TMPC0502HP-100MG-D	10.0	±20	1V/100K	180	199	3.4	3.2	2.3	2.0
TMPC0502HP-150MG-D	15.0	±20	1V/100K	240	270	2.8	2.5	1.9	1.6
TMPC0502HP-220MG-D	22.0	±20	1V/100K	350	390	1.8	1.5	1.5	1.2

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



■ Dimensions



Dimensions	
A	5.70±0.30
B	5.20±0.20
C	2.80±0.20
D	1.10±0.30
E	2.50±0.30

Units: mm

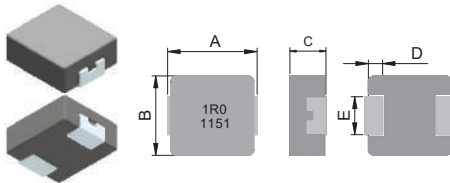
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0503HP-R10YG-D	0.10	±30	1V/100K	2.5	3.0	27.0	/	23.0	/
TMPC0503HP-R22MG-D	0.22	±20	1V/100K	3.7	4.4	21.0	/	15.5	/
TMPC0503HP-R33MG-D	0.33	±20	1V/100K	4.5	5.2	19.0	/	13.7	/
TMPC0503HP-R47MG-D	0.47	±20	1V/100K	6.7	7.1	16.0	/	12.2	/
TMPC0503HP-R68MG-D	0.68	±20	1V/100K	8.2	9.0	13.5	/	10.2	/
TMPC0503HP-R82MG-D	0.82	±20	1V/100K	10.2	11.9	13.0	/	9.3	/
TMPC0503HP-1R0MG-D	1.00	±20	1V/100K	12.6	13.7	12.0	/	8.8	/
TMPC0503HP-1R2MG-D	1.20	±20	1V/100K	13.0	17.0	11.5	/	8.0	/
TMPC0503HP-1R5MG-D	1.50	±20	1V/100K	18.7	20.7	11.0	/	7.2	/
TMPC0503HP-2R2MG-D	2.20	±20	1V/100K	25.0	29.2	10.0	/	5.8	/
TMPC0503HP-3R3MG-D	3.30	±20	1V/100K	41.0	49.2	8.5	/	5.0	/
TMPC0503HP-4R7MG-D	4.70	±20	1V/100K	71.0	77.5	8.2	/	3.5	/
TMPC0503HP-5R6MG-D	5.60	±20	1V/100K	88.5	102	7.0	/	3.0	/
TMPC0503HP-6R8MG-D	6.80	±20	1V/100K	96.0	112	6.0	/	2.8	/
TMPC0503HP-8R2MG-D	8.20	±20	1V/100K	99.0	114	4.5	/	2.6	/
TMPC0503HP-100MG-D	10.0	±20	1V/100K	112	130	4.0	/	2.5	/
TMPC0503HP-150MG-D	15.0	±20	1V/100K	210	242	2.5	/	1.9	/
TMPC0503HP-220MG-D	22.0	±20	1V/100K	260	310	2.2	/	1.4	/

Note:

- 1.Heat Rated Current (I rms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (I sat) will cause L0 to drop approximately 30%.

■ Dimensions



Dimensions	
A	5.70±0.30
B	5.20±0.20
C	2.80±0.20
D	1.10±0.30
E	1.50±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0503H-R10YG-D	0.10	±30	1V/100K	2.5	3.0	27.0	24.0	23.0	20.0
TMPC0503H-R15YG-D	0.15	±30	1V/100K	2.3	2.7	26.0	22.0	17.0	15.0
TMPC0503H-R20YG-D	0.20	±30	1V/100K	2.6	3.2	25.0	21.0	16.0	14.0
TMPC0503H-R22MG-D	0.22	±20	1V/100K	3.7	4.4	21.0	19.0	15.5	13.0
TMPC0503H-R25MG-D	0.25	±20	1V/100K	3.7	4.1	20.0	18.0	15.0	12.0
TMPC0503H-R33MG-D	0.33	±20	1V/100K	4.3	5.0	18.0	16.0	14.0	11.0
TMPC0503H-R47MG-D	0.47	±20	1V/100K	6.4	7.4	16.0	14.0	12.0	10.0
TMPC0503H-R56MG-D	0.56	±20	1V/100K	8.0	10.0	15.0	13.5	10.0	9.00
TMPC0503H-R60MG-D	0.60	±20	1V/100K	8.4	10.4	14.5	/	9.00	/
TMPC0503H-R68MG-D	0.68	±20	1V/100K	10.0	12.0	14.0	12.5	8.50	7.50
TMPC0503H-R82MG-D	0.82	±20	1V/100K	11.5	13.0	12.5	11.0	8.00	7.00
TMPC0503H-1R0MG-D	1.00	±20	1V/100K	13.0	14.0	11.0	9.50	7.00	6.00
TMPC0503H-1R2MG-D	1.20	±20	1V/100K	14.0	16.0	11.0	9.50	6.50	5.50
TMPC0503H-1R5MG-D	1.50	±20	1V/100K	16.0	25.0	10.0	9.00	6.00	5.00
TMPC0503H-2R2MG-D	2.20	±20	1V/100K	25.0	35.0	9.00	8.00	5.50	4.80
TMPC0503H-2R4MG-D	2.40	±20	1V/100K	30.0	36.0	8.80	/	5.30	/
TMPC0503H-3R3MG-D	3.30	±20	1V/100K	32.0	38.0	8.00	7.00	5.00	4.30
TMPC0503H-3R6MG-D	3.60	±20	1V/100K	46.0	54.0	7.00	6.00	4.90	4.10
TMPC0503H-4R7MG-D	4.70	±20	1V/100K	50.0	53.0	6.00	5.00	4.60	4.00
TMPC0503H-5R6MG-D	5.60	±20	1V/100K	55.0	63.0	4.50	4.00	4.25	3.80

Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Specifications

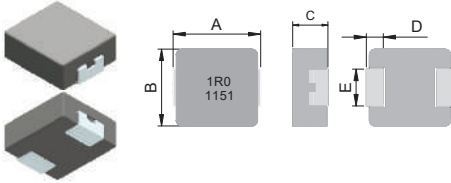
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0503H-100MG-D	10.0	±20	1V/100K	110	128	3.50	3.10	2.75	2.40
TMPC0503H-150MG-D	15.0	±20	1V/100K	165	190	2.60	2.20	2.10	1.90
TMPC0503H-180MG-D	18.0	±20	1V/100K	195	230	2.30	2.00	2.00	1.80
TMPC0503H-220MG-D	22.0	±20	1V/100K	220	250	1.70	1.50	1.90	1.70
TMPC0503H-330MG-D	33.0	±20	1V/100K	380	440	1.60	1.40	1.60	1.50

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



■ Dimensions



Dimensions	
A	4.90±0.30
B	4.70±0.20
C	2.80±0.20
D	1.00±0.30
E	1.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC053T-R10MG-V01	0.10	±20	1V/100K	2.0	2.5	34.0	/	20.0	/
TMPC053T-R20MG-V01	0.20	±20	1V/100K	3.0	3.7	21.0	/	14.5	/
TMPC053T-R47MG-V01	0.47	±20	1V/100K	7.1	8.1	16.0	/	10.0	/
TMPC053T-R56MG-V01	0.56	±20	1V/100K	7.3	8.4	15.0	/	9.5	/
TMPC053T-R68MG-V01	0.68	±20	1V/100K	8.1	9.0	14.0	/	8.5	/
TMPC053T-1R0MG-V01	1.00	±20	1V/100K	12.5	14.0	11.0	/	7.0	/
TMPC053T-1R2MG-V01	1.20	±20	1V/100K	14.0	16.0	11.0	/	6.5	/
TMPC053T-1R5MG-V01	1.50	±20	1V/100K	17.0	22.0	10.0	/	6.0	/
TMPC053T-2R2MG-V01	2.20	±20	1V/100K	24.0	27.0	9.0	/	5.5	/
TMPC053T-3R3MG-V01	3.30	±20	1V/100K	32.0	38.0	7.0	/	5.0	/
TMPC053T-4R7MG-V01	4.70	±20	1V/100K	50.0	60.0	5.0	/	4.5	/

Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Dimensions

Dimensions	
A	7.00±0.30
B	6.60±0.30
C	1.00±0.20
D	1.80±0.30
E	2.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0612H-R22YG-D	0.22	±30	1V/100K	6.5	7.5	19.0	17.0	11.0	10.0
TMPC0612H-R33MG-D	0.33	±20	1V/100K	9.0	10.0	16.0	14.0	9.5	9.0
TMPC0612H-R47MG-D	0.47	±20	1V/100K	13.0	17.0	12.0	11.0	8.5	8.0
TMPC0612H-R68MG-D	0.68	±20	1V/100K	17.0	19.0	9.0	8.5	7.0	6.0
TMPC0612H-1R0MG-D	1.00	±20	1V/100K	27.0	30.0	7.0	6.5	6.0	5.0
TMPC0612H-1R2MG-D	1.20	±20	1V/100K	31.0	36.0	6.8	6.0	5.0	4.5
TMPC0612H-1R5MG-D	1.50	±20	1V/100K	35.0	40.0	6.5	5.5	4.5	4.0
TMPC0612H-2R2MG-D	2.20	±20	1V/100K	53.0	61.0	5.0	4.5	4.0	3.5
TMPC0612H-3R3MG-D	3.30	±20	1V/100K	90.0	103	4.0	3.6	3.2	2.8
TMPC0612H-4R7MG-D	4.70	±20	1V/100K	130	150	3.8	3.2	2.5	2.3
TMPC0612H-6R8MG-D	6.80	±20	1V/100K	172	198	3.0	2.7	2.1	1.9
TMPC0612H-100MG-D	10.0	±20	1V/100K	280	290	2.5	2.3	1.8	1.6

Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Dimensions

Dimensions	
A	7.00±0.30
B	6.60±0.30
C	1.30±0.20
D	1.80±0.30
E	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0615H-R22YG-D	0.22	±30	1V/100K	4.3	5.2	22.0	19.0	14.0	12.0
TMPC0615H-R33MG-D	0.33	±20	1V/100K	6.6	7.6	18.0	16.0	11.0	10.0
TMPC0615H-R47MG-D	0.47	±20	1V/100K	9.0	10.3	16.0	14.0	9.5	8.5
TMPC0615H-R56MG-D	0.56	±20	1V/100K	12.5	14.0	15.5	14.0	9.0	8.0
TMPC0615H-R68MG-D	0.68	±20	1V/100K	13.8	15.2	15.0	13.0	7.5	6.6
TMPC0615H-R82MG-D	0.82	±20	1V/100K	20.0	24.0	14.0	12.0	7.0	6.0
TMPC0615H-1R0MG-D	1.00	±20	1V/100K	23.0	25.8	12.0	10.0	6.5	5.5
TMPC0615H-1R2MG-D	1.20	±20	1V/100K	29.0	34.0	10.5	9.0	5.6	5.0
TMPC0615H-1R5MG-D	1.50	±20	1V/100K	37.0	42.5	9.5	8.5	5.0	4.5
TMPC0615H-2R2MG-D	2.20	±20	1V/100K	48.0	55.0	6.5	5.6	4.5	4.0
TMPC0615H-3R3MG-D	3.30	±20	1V/100K	62.0	74.0	6.0	5.3	4.2	3.7
TMPC0615H-4R7MG-D	4.70	±20	1V/100K	96.0	111	5.0	4.6	3.8	3.3
TMPC0615H-5R6MG-D	5.60	±20	1V/100K	115	138	4.5	4.1	3.0	2.6
TMPC0615H-6R8MG-D	6.80	±20	1V/100K	128	148	3.5	3.1	2.6	2.2
TMPC0615H-8R2MG-D	8.20	±20	1V/100K	153	184	3.2	2.8	2.4	2.1
TMPC0615H-100MG-D	10.0	±20	1V/100K	180	216	2.8	2.5	2.3	2.0
TMPC0615H-220MG-D	22.0	±20	1V/100K	420	504	2.5	2.2	1.5	1.2

Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Dimensions

Dimensions	
A	7.00±0.30
B	6.60±0.30
C	1.60±0.20
D	1.80±0.30
E	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0618H-R22MG-D	0.22	±20	1V/100K	2.5	3.0	26.0	24.0	16.0	14.0
TMPC0618H-R33MG-D	0.33	±20	1V/100K	4.8	5.8	22.0	19.0	14.0	12.0
TMPC0618H-R47MG-D	0.47	±20	1V/100K	6.4	7.4	18.0	16.0	12.0	10.0
TMPC0618H-R56MG-D	0.56	±20	1V/100K	8.5	10.0	17.5	15.0	11.0	9.5
TMPC0618H-R68MG-D	0.68	±20	1V/100K	9.5	11.0	17.0	15.0	10.0	9.0
TMPC0618H-R82MG-D	0.82	±20	1V/100K	11.5	14.0	15.5	14.0	8.5	7.9
TMPC0618H-1R0MG-D	1.00	±20	1V/100K	14.5	17.0	14.0	12.0	7.0	6.5
TMPC0618H-1R2MG-D	1.20	±20	1V/100K	20.0	24.0	13.5	11.0	6.5	6.0
TMPC0618H-1R5MG-D	1.50	±20	1V/100K	21.0	25.2	13.0	11.0	6.0	5.5
TMPC0618H-2R2MG-D	2.20	±20	1V/100K	31.0	35.0	11.0	10.0	6.0	5.5
TMPC0618H-3R3MG-D	3.30	±20	1V/100K	40.0	46.0	9.0	8.0	5.0	4.5
TMPC0618H-4R7MG-D	4.70	±20	1V/100K	68.0	76.0	7.0	6.0	4.0	3.6
TMPC0618H-5R6MG-D	5.60	±20	1V/100K	78.0	86.0	6.0	5.0	3.5	3.1
TMPC0618H-6R8MG-D	6.80	±20	1V/100K	93.0	104	5.5	4.5	3.0	2.6
TMPC0618H-8R2MG-D	8.20	±20	1V/100K	123	140	4.5	3.8	2.6	2.2
TMPC0618H-100MG-D	10.0	±20	1V/100K	143	160	3.5	3.1	2.3	2.0

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Dimensions

Dimensions	
A	7.00±0.30
B	6.60±0.30
C	1.80±0.20
D	1.80±0.30
E	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0602H-R10YG-D	0.10	±30	1V/100K	2.0	2.4	40.0	/	21.0	/
TMPC0602H-R12YG-D	0.12	±30	1V/100K	2.2	2.6	39.5	/	20.0	/
TMPC0602H-R15YG-D	0.15	±30	1V/100K	2.3	2.7	39.0	/	18.0	/
TMPC0602H-R16YG-D	0.16	±30	1V/100K	2.3	2.7	38.0	/	18.0	/
TMPC0602H-R18YG-D	0.18	±30	1V/100K	2.4	2.9	36.0	/	18.0	/
TMPC0602H-R20YG-D	0.20	±30	1V/100K	2.5	3.0	35.0	/	18.0	/
TMPC0602H-R22YG-D	0.22	±30	1V/100K	3.5	4.0	32.0	/	15.0	/
TMPC0602H-R24MG-D	0.24	±20	1V/100K	3.6	4.3	32.0	/	14.5	/
TMPC0602H-R33MG-D	0.33	±20	1V/100K	4.5	5.0	25.0	/	14.0	/
TMPC0602H-R47MG-D	0.47	±20	1V/100K	7.1	8.3	20.0	/	11.7	/
TMPC0602H-R56MG-D	0.56	±20	1V/100K	7.9	9.3	18.0	/	11.0	/
TMPC0602H-R68MG-D	0.68	±20	1V/100K	8.3	10.0	16.0	/	10.5	/
TMPC0602H-R82MG-D	0.82	±20	1V/100K	12.5	16.0	15.0	/	9.5	/
TMPC0602H-1R0MG-D	1.00	±20	1V/100K	16.5	18.0	14.0	/	8.0	/
TMPC0602H-1R2MG-D	1.20	±20	1V/100K	19.0	23.0	13.0	/	7.5	/
TMPC0602H-1R5MG-D	1.50	±20	1V/100K	23.0	27.0	12.0	/	7.0	/
TMPC0602H-2R2MG-D	2.20	±20	1V/100K	32.0	37.0	10.0	/	6.0	/

Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

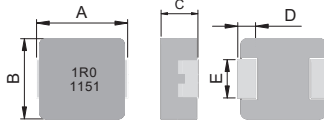


Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0602H-3R3MG-D	3.30	±20	1V/100K	43.0	48.0	8.0	/	5.0	/
TMPC0602H-4R7MG-D	4.70	±20	1V/100K	53.0	60.0	7.0	/	4.5	/
TMPC0602H-5R6MG-D	5.60	±20	1V/100K	59.0	68.0	6.0	/	4.0	/
TMPC0602H-6R8MG-D	6.80	±20	1V/100K	63.0	73.0	5.5	/	4.0	/
TMPC0602H-8R2MG-D	8.20	±20	1V/100K	101	116	5.0	/	3.2	/
TMPC0602H-100MG-D	10.0	±20	1V/100K	134	154	4.0	/	2.8	/
TMPC0602H-150MG-D	15.0	±20	1V/100K	190	210	3.3	/	2.1	/
TMPC0602H-220MG-D	22.0	±20	1V/100K	236	280	2.5	/	1.5	/

Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

■ Dimensions



Dimensions	
A	7.00 ± 0.30
B	6.60 ± 0.30
C	2.20 ± 0.20
D	1.80 ± 0.30
E	3.00 ± 0.30

Units: mm

■ Specifications

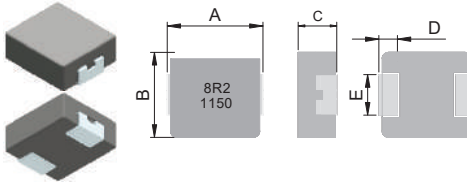
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ	DCR (mΩ) max	I sat (A) typ	I sat (A) Max	I rms (A) typ	I rms (A) max
TMPC0624H-R22MG-D	0.22	±20	1V/100K	2.0	3.2	34	30	21	19
TMPC0624H-R33MG-D	0.33	±20	1V/100K	3.6	4.4	30	27	18	17
TMPC0624H-R36MG-D	0.36	±20	1V/100K	3.8	4.6	29	25	17	15
TMPC0624H-R47MG-D	0.47	±20	1V/100K	4.8	5.1	26	22	15	14
TMPC0624H-R56MG-D	0.56	±20	1V/100K	5.5	6.5	24	20	13	12
TMPC0624H-R60MG-D	0.60	±20	1V/100K	5.7	6.9	22	19	13	12
TMPC0624H-R68MG-D	0.68	±20	1V/100K	6.4	7.2	21	18	13	12
TMPC0624H-R82MG-D	0.82	±20	1V/100K	8.0	9.5	17	15	11	10
TMPC0624H-1R0MG-D	1.00	±20	1V/100K	10.5	13.5	16	14	11	10
TMPC0624H-1R5MG-D	1.50	±20	1V/100K	17.0	20.0	15	13	9.0	8.0
TMPC0624H-2R2MG-D	2.20	±20	1V/100K	23.0	28.0	14	11	7.0	6.0
TMPC0624H-3R3MG-D	3.30	±20	1V/100K	34.0	39.0	10	9.0	6.0	5.0
TMPC0624H-4R7MG-D	4.70	±20	1V/100K	41.0	50.0	9.0	7.0	5.5	4.8
TMPC0624H-5R6MG-D	5.60	±20	1V/100K	56.0	62.0	8.0	6.5	5.0	4.5
TMPC0624H-6R8MG-D	6.80	±20	1V/100K	65.0	72.0	7.0	6.0	4.0	3.6
TMPC0624H-8R2MG-D	8.20	±20	1V/100K	81.0	95.0	6.0	5.4	3.6	3.2
TMPC0624H-100MG-D	10.0	±20	1V/100K	92.0	101	5.0	4.7	3.2	2.9

Note:

1. Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C2. Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Dimensions



Dimensions	
A	7.30±0.30
B	6.80±0.30
C	2.80±0.20
D	1.80±0.30
E	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0603H-R10YG-D	0.10	±30	1V/100K	1.2	1.7	60.0	55.0	32.5	28.0
TMPC0603H-R13YG-D	0.13	±30	1V/100K	1.3	1.8	50.0	45.0	27.6	24.0
TMPC0603H-R15YG-D	0.15	±30	1V/100K	1.5	1.9	45.0	40.0	27.0	23.0
TMPC0603H-R16YG-D	0.16	±30	1V/100K	1.5	1.9	45.0	40.0	27.0	23.0
TMPC0603H-R18YG-D	0.18	±30	1V/100K	1.7	2.3	43.0	39.0	25.0	22.0
TMPC0603H-R19YG-D	0.19	±30	1V/100K	1.8	2.5	41.0	37.0	24.0	21.0
TMPC0603H-R20YG-D	0.20	±30	1V/100K	1.8	2.5	41.0	37.0	24.0	21.0
TMPC0603H-R22YG-D	0.22	±30	1V/100K	2.1	2.8	40.0	36.0	23.0	20.0
TMPC0603H-R24MG-D	0.24	±20	1V/100K	2.5	3.1	39.0	35.0	22.0	19.0
TMPC0603H-R25MG-D	0.25	±20	1V/100K	3.3	3.5	39.0	35.0	21.0	18.0
TMPC0603H-R30MG-D	0.30	±20	1V/100K	3.2	3.8	35.0	31.0	21.0	18.0
TMPC0603H-R33MG-D	0.33	±20	1V/100K	3.5	3.9	32.0	28.0	20.0	17.0
TMPC0603H-R36MG-D	0.36	±20	1V/100K	3.6	4.2	32.0	28.0	19.0	16.5
TMPC0603H-R40MG-D	0.40	±20	1V/100K	3.7	4.1	27.5	24.0	18.0	15.5
TMPC0603H-R47MG-D	0.47	±20	1V/100K	4.0	4.2	26.0	23.0	17.5	16.0
TMPC0603H-R56MG-D	0.56	±20	1V/100K	4.7	5.0	25.5	22.5	16.5	15.0
TMPC0603H-R60MG-D	0.60	±20	1V/100K	4.7	5.2	25.5	22.5	16.0	14.5
TMPC0603H-R68MG-D	0.68	±20	1V/100K	4.8	5.5	25.0	22.0	15.5	14.0
TMPC0603H-R75MG-D	0.75	±20	1V/100K	5.5	6.6	24.5	22.0	14.5	13.5
TMPC0603H-R82MG-D	0.82	±20	1V/100K	6.7	8.0	24.0	21.0	13.0	12.0
TMPC0603H-R90MG-D	0.90	±20	1V/100K	8.3	10	22.0	19.0	11.0	10.0

Note:

- 1.Heat Rated Current (I rms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.



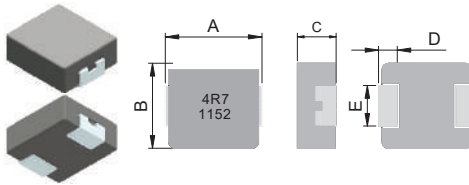
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC0603H-1R0MG-D	1.00	±20	1V/100K	8.3	10	22.0	19.0	11.0	10.0
TMPC0603H-1R2MG-D	1.20	±20	1V/100K	10	12	20.0	18.0	10.0	9.00
TMPC0603H-1R5MG-D	1.50	±20	1V/100K	13	15	18.0	17.0	9.00	8.00
TMPC0603H-1R8MG-D	1.80	±20	1V/100K	14	17	16.0	15.0	8.50	7.50
TMPC0603H-2R0MG-D	2.00	±20	1V/100K	16	19	15.0	13.0	8.20	7.20
TMPC0603H-2R2MG-D	2.20	±20	1V/100K	18	20	14.0	12.0	8.00	7.00
TMPC0603H-2R5MG-D	2.50	±20	1V/100K	20	22	13.0	11.0	7.00	6.20
TMPC0603H-2R7MG-D	2.70	±20	1V/100K	24	27	13.0	11.0	7.00	6.20
TMPC0603H-3R3MG-D	3.30	±20	1V/100K	28	30	13.5	11.5	6.00	5.30
TMPC0603H-4R7MG-D	4.70	±20	1V/100K	37	40	10.0	8.50	5.50	4.90
TMPC0603H-5R6MG-D	5.60	±20	1V/100K	43	48	9.00	8.00	5.00	4.50
TMPC0603H-6R8MG-D	6.80	±20	1V/100K	54	60	8.00	7.00	4.50	4.00
TMPC0603H-8R2MG-D	8.20	±20	1V/100K	64	68	7.50	6.50	4.00	3.60
TMPC0603H-100MG-D	10.0	±20	1V/100K	75	85	6.00	5.00	3.50	3.10

Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

■ Dimensions



Dimensions	
A	7.30±0.30
B	6.60±0.30
C	3.80±0.20
D	1.80±0.30
E	3.00±0.30

Units: mm

■ Specifications


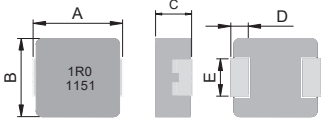
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ	DCR (mΩ) max	I sat (A) typ	I sat (A) max	I rms (A) typ	I rms (A) max
TMPC0604H-R15YG-D	0.15	±30	1V/100K	0.9	1.2	55	51	30	28
TMPC0604H-R22MG-D	0.22	±20	1V/100K	1.85	2.1	37	34	28	25
TMPC0604H-R33MG-D	0.33	±20	1V/100K	2.0	2.6	34	31	26	23
TMPC0604H-R36MG-D	0.36	±20	1V/100K	2.7	3.1	31	29	25	22
TMPC0604H-R47MG-D	0.47	±20	1V/100K	3.0	3.4	28	26	23	20
TMPC0604H-R56MG-D	0.56	±20	1V/100K	3.8	4.3	26	24	20	18
TMPC0604H-R68MG-D	0.68	±20	1V/100K	4.1	4.5	24	22	16	14
TMPC0604H-R82MG-D	0.82	±20	1V/100K	5.5	6.3	23	20	15	13
TMPC0604H-1R0MG-D	1.00	±20	1V/100K	6.8	8.0	22	19	14	12
TMPC0604H-1R5MG-D	1.50	±20	1V/100K	10.0	12.0	20	18	12	10
TMPC0604H-2R2MG-D	2.20	±20	1V/100K	11.5	14.0	14	13	9.0	8.5
TMPC0604H-3R3MG-D	3.30	±20	1V/100K	24.0	27.0	12	11	8.0	7.5
TMPC0604H-4R7MG-D	4.70	±20	1V/100K	28.0	32.5	11	10	6.0	5.5
TMPC0604H-5R6MG-D	5.60	±20	1V/100K	33.0	38.0	9.0	8.5	5.0	4.5
TMPC0604H-6R8MG-D	6.80	±20	1V/100K	44.0	50.0	8.5	8.0	4.5	4.3
TMPC0604H-8R2MG-D	8.20	±20	1V/100K	55.0	64.0	8.0	7.5	4.5	4.0
TMPC0604H-100MG-D	10.0	±20	1V/100K	64.0	72.0	7.0	6.5	4.0	3.7
TMPC0604H-150MG-D	15.0	±20	1V/100K	80.0	90.0	3.5	3.5	3.0	2.8

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Dimensions

Dimensions	
A	7.30±0.30
B	6.60±0.30
C	4.80±0.30
D	1.80±0.30
E	3.00±0.30

Units: mm

■ Specifications

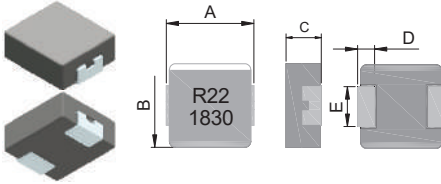
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ	DCR (mΩ) max	I sat (A) typ	I sat (A) max	I rms (A) typ	I rms (A) max
TMPC0605H-R33MG-D	0.33	±20	1V/100K	2.5	3.0	32.0	/	25.0	/
TMPC0605H-R40MG-D	0.40	±20	1V/100K	3.1	3.7	31.0	/	23.0	/
TMPC0605H-R47MG-D	0.47	±20	1V/100K	3.5	3.9	30.0	/	22.0	/
TMPC0605H-R56MG-D	0.56	±20	1V/100K	3.6	4.2	27.0	/	20.0	/
TMPC0605H-R60MG-D	0.60	±20	1V/100K	3.8	4.3	25.0	/	19.0	/
TMPC0605H-R68MG-D	0.68	±20	1V/100K	4.0	4.5	24.0	/	18.0	/
TMPC0605H-R82MG-D	0.82	±20	1V/100K	4.6	4.9	22.0	/	16.5	/
TMPC0605H-1R0MG-D	1.00	±20	1V/100K	6.1	6.5	20.0	/	15.0	/
TMPC0605H-1R2MG-D	1.20	±20	1V/100K	6.7	7.5	18.0	/	14.0	/
TMPC0605H-1R5MG-D	1.50	±20	1V/100K	8.6	9.0	16.5	/	12.0	/
TMPC0605H-1R8MG-D	1.80	±20	1V/100K	9.5	11.0	15.0	/	12.0	/
TMPC0605H-2R2MG-D	2.20	±20	1V/100K	11.2	12.0	14.0	/	10.0	/
TMPC0605H-3R3MG-D	3.30	±20	1V/100K	19.0	20.9	12.0	/	8.0	/
TMPC0605H-4R7MG-D	4.70	±20	1V/100K	28.0	30.8	10.0	/	6.5	/
TMPC0605H-4R9MG-D	4.90	±20	1V/100K	32.0	38.0	9.5	/	6.3	/
TMPC0605H-5R6MG-D	5.60	±20	1V/100K	43.5	49.0	9.0	/	6.0	/
TMPC0605H-6R8MG-D	6.80	±20	1V/100K	46.0	51.5	8.5	/	5.5	/
TMPC0605H-8R2MG-D	8.20	±20	1V/100K	56.0	63.0	8.0	/	5.0	/
TMPC0605H-100MG-D	10.0	±20	1V/100K	60.0	69.0	7.5	/	4.0	/
TMPC0605H-120MG-D	12.0	±20	1V/100K	68.0	80.0	6.7	/	3.8	/
TMPC0605H-150MG-D	15.0	±20	1V/100K	81.0	92.0	6.0	/	3.5	/
TMPC0605H-220MG-D	22.0	±20	1V/100K	140	170	5.5	/	2.5	/

Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



■ Dimensions



Dimensions	
A	8.80±0.40
B	8.40±0.30
C	3.80±0.20
D	1.60±0.30
E	5.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ	DCR (mΩ) max	I sat (A) typ	I sat (A) max	I rms (A) typ	I rms (A) max
TMPC8040HP-R22MG-D	0.22	±20	1V/100K	1.60	1.76	60	56	31	29
TMPC8040HP-R33MG-D	0.33	±20	1V/100K	2.0	2.20	55	50	30	28
TMPC8040HP-R47MG-D	0.47	±20	1V/100K	2.6	2.86	40	35	28	25
TMPC8040HP-R56MG-D	0.56	±20	1V/100K	2.7	2.97	38	34	25	24
TMPC8040HP-R68MG-D	0.68	±20	1V/100K	3.1	3.41	36	32	23	21
TMPC8040HP-R82MG-D	0.82	±20	1V/100K	3.7	4.10	32	29	21	19
TMPC8040HP-1R0MG-D	1.00	±20	1V/100K	4.5	4.95	29	26	18	16
TMPC8040HP-1R5MG-D	1.50	±20	1V/100K	6.6	7.30	27	24	17	15
TMPC8040HP-2R2MG-D	2.20	±20	1V/100K	10.8	11.9	25	22	16	14
TMPC8040HP-3R3MG-D	3.30	±20	1V/100K	15.0	16.5	22	20	14	12
TMPC8040HP-4R7MG-D	4.70	±20	1V/100K	26.8	29.5	19	16	8.5	7.5
TMPC8040HP-5R6MG-D	5.60	±20	1V/100K	30.0	35.0	17	15	7.5	6.8
TMPC8040HP-6R8MG-D	6.80	±20	1V/100K	40.0	46.0	16.5	14.5	6.5	5.8
TMPC8040HP-8R2MG-D	8.20	±20	1V/100K	44.0	51.0	16	14	6.5	5.8
TMPC8040HP-100MG-D	10.0	±20	1V/100K	53.0	61.0	10	8.5	5.6	5.2

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Dimensions

Dimensions	
A	11.0±0.50
B	10.0±0.30
C	1.80±0.20
D	2.30±0.30
E	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ	DCR (mΩ) max	I sat (A) typ	I sat (A) max	I rms (A) typ	I rms (A) max
TMPC1002H-1R0MG-D	1.00	±20	1V/100K	15	18	26.0	20.0	8.5	7.5
TMPC1002H-1R5MG-D	1.50	±20	1V/100K	21	25	23.0	18.0	8.0	7.0
TMPC1002H-2R2MG-D	2.20	±20	1V/100K	27	32	19.0	16.0	7.0	6.0
TMPC1002H-3R3MG-D	3.30	±20	1V/100K	44	52	16.0	14.0	5.5	4.5
TMPC1002H-4R7MG-D	4.70	±20	1V/100K	54	64	14.0	12.0	5.0	4.0
TMPC1002H-6R7MG-D	6.70	±20	1V/100K	63	73	11.0	9.0	4.0	3.5
TMPC1002H-8R2MG-D	8.20	±20	1V/100K	90	105	9.0	7.0	3.2	2.7

Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Dimensions

Dimensions	
A	11.0±0.50
B	10.0±0.30
C	2.80±0.20
D	2.30±0.30
E	3.00±0.30

Units: mm

■ Specifications


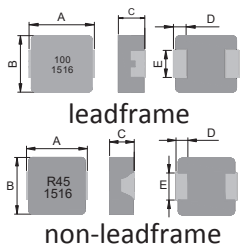
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) Max.	I sat (A) typ.	I sat (A) Max.	I rms (A) Typ.	I rms (A) Max.
TMPC1003H-R36MG-D	0.36	±20	1V/100K	1.3	1.6	40	/	23	/
TMPC1003H-R47MG-D	0.47	±20	1V/100K	2.1	2.5	33	/	20	/
TMPC1003H-R56MG-D	0.56	±20	1V/100K	2.6	3.0	24	/	16	/
TMPC1003H-R82MG-D	0.82	±20	1V/100K	3.9	4.5	22	/	15	/
TMPC1003H-1R0MG-D	1.00	±20	1V/100K	4.6	6.0	20	/	15	/
TMPC1003H-1R5MG-D	1.50	±20	1V/100K	6.5	7.5	20	/	13	/
TMPC1003H-2R2MG-D	2.20	±20	1V/100K	8.0	9.0	16	/	12	/
TMPC1003H-3R3MG-D	3.30	±20	1V/100K	14.5	16.0	14	/	9.0	/
TMPC1003H-4R7MG-D	4.70	±20	1V/100K	20.5	22.5	13	/	7.0	/
TMPC1003H-5R6MG-D	5.60	±20	1V/100K	28.0	32.5	12	/	7.0	/
TMPC1003H-6R8MG-D	6.80	±20	1V/100K	30.2	35.0	9.5	/	6.5	/
TMPC1003H-8R2MG-D	8.20	±20	1V/100K	42.0	48.0	8.5	/	6.0	/
TMPC1003H-100MG-D	10.0	±20	1V/100K	50.0	55.0	8.0	/	5.0	/

Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Dimensions

Dimensions	
A	11.0±0.50
B	10.0±0.30
C	3.80±0.20
D	2.30±0.30
E	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ	DCR (mΩ) max	I sat (A) typ	I sat (A) max	I rms (A) typ	I rms (A) max
TMPC1004H-R15YG-D	0.15	±30	1V/100K	0.50	0.6	75	70	43	40
TMPC1004H-R18YG-D	0.18	±30	1V/100K	0.54	0.8	72	68	38	36
TMPC1004H-R19YG-D	0.19	±30	1V/100K	0.60	0.9	70	66	36	35
TMPC1004H-R20YG-D	0.20	±30	1V/100K	0.66	0.95	70	64	35	34
TMPC1004H-R22MG-D	0.22	±20	1V/100K	0.80	1.0	60	57	35	33
TMPC1004H-R24MG-D	0.24	±20	1V/100K	0.80	1.0	60	56	34	32
TMPC1004H-R25MG-D	0.25	±20	1V/100K	0.80	1.0	60	55	33.5	32
TMPC1004H-R27MG-D	0.27	±20	1V/100K	0.82	1.0	60	54	33	31
TMPC1004H-R30MG-D	0.30	±20	1V/100K	0.94	1.1	60	52	32	30
TMPC1004H-R33MG-D	0.33	±20	1V/100K	1.00	1.2	60	50	31	29
TMPC1004H-R36MG-D	0.36	±20	1V/100K	1.05	1.2	60	48	31	28
TMPC1004H-R39MG-D	0.39	±20	1V/100K	1.10	1.3	60	45	30	27
TMPC1004H-R45MG-D	0.45	±20	1V/100K	1.30	1.5	45	41	29	26
TMPC1004H-R47MG-D	0.47	±20	1V/100K	1.30	1.5	43	40	28	25
TMPC1004H-R56MG-D	0.56	±20	1V/100K	1.60	1.8	40	38	25	24
TMPC1004H-R68MG-D	0.68	±20	1V/100K	2.40	2.7	39	37	22	21
TMPC1004H-R75MG-D	0.75	±20	1V/100K	2.40	2.7	39	36	22	20
TMPC1004H-R88MG-D	0.88	±20	1V/100K	2.50	2.9	38	35	20	19
TMPC1004H-R90MG-D	0.90	±20	1V/100K	2.60	3.0	38	35	20	18
TMPC1004H-1R0MG-D	1.00	±20	1V/100K	3.00	3.3	36	34	18	17
TMPC1004H-1R2MG-D	1.20	±20	1V/100K	3.30	3.8	33	32	17	16

Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Specifications


Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ	DCR (mΩ) max	I sat (A) typ	I sat (A) max	I rms (A) typ	I rms (A) max
TMPC1004H-1R5MG-D	1.50	±20	1V/100K	4.0	4.6	33	31	16.0	15.0
TMPC1004H-1R8MG-D	1.80	±20	1V/100K	5.3	6.4	30	29	14.0	13.0
TMPC1004H-2R2MG-D	2.20	±20	1V/100K	6.5	7.0	27	25	12.0	11.0
TMPC1004H-2R5MG-D	2.50	±20	1V/100K	7.9	8.7	23	21	11.5	10.5
TMPC1004H-3R0MG-D	3.00	±20	1V/100K	10	11.5	21	19	11.5	10.0
TMPC1004H-3R3MG-D	3.30	±20	1V/100K	10.8	11.8	20	18	11.0	10.0
TMPC1004H-3R9MG-D	3.90	±20	1V/100K	12.6	14.5	19	17	10.5	9.5
TMPC1004H-4R0MG-D	4.00	±20	1V/100K	13.0	15.0	18	17	10.2	9.5
TMPC1004H-4R7MG-D	4.70	±20	1V/100K	15.0	15.5	17	16	10.0	9.0
TMPC1004H-5R6MG-D	5.60	±20	1V/100K	17.0	19.3	14	13	9.0	8.5
TMPC1004H-6R2MG-D	6.20	±20	1V/100K	17.2	21.3	13.7	12.5	8.7	8.0
TMPC1004H-6R5MG-D	6.50	±20	1V/100K	17.3	22.3	13.6	12.5	8.6	8.0
TMPC1004H-6R8MG-D	6.80	±20	1V/100K	17.5	23.3	13.5	12.3	8.5	7.5
TMPC1004H-7R3MG-D	7.30	±20	1V/100K	19.0	21.8	13	12.0	8.3	7.3
TMPC1004H-8R2MG-D	8.20	±20	1V/100K	20	22.5	12.5	11.5	8.0	6.8
TMPC1004H-100MG-D	10.0	±20	1V/100K	27	30	12.0	11.0	7.5	6.3
TMPC1004H-120MG-D	12.0	±20	1V/100K	36	42	11.0	10.5	6.8	6.0
TMPC1004H-150MG-D	15.0	±20	1V/100K	40	45	10.0	9.5	6.2	5.7
TMPC1004H-180MG-D	18.0	±20	1V/100K	56	62	9.0	8.5	5.5	5.1
TMPC1004H-220MG-D	22.0	±20	1V/100K	64	74	7.0	6.5	5.0	4.5

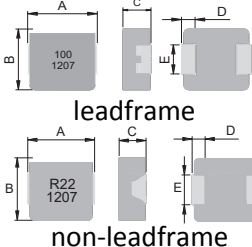
Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 °C
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



■ Dimensions





leadframe

non-leadframe

Dimensions	
A	11.0±0.50
B	10.0±0.30
C	4.80±0.20
D	2.30±0.30
E	3.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC1005H-R30MG-D	0.30	±20	1V/100K	0.57	0.61	65.0	/	38.0	/
TMPC1005H-R47MG-D	0.47	±20	1V/100K	1.15	1.38	50.0	/	28.0	/
TMPC1005H-R50MG-D	0.50	±20	1V/100K	1.3	1.5	48.0	/	27.0	/
TMPC1005H-R56MG-D	0.56	±20	1V/100K	1.3	1.5	43.0	/	26.5	/
TMPC1005H-R68MG-D	0.68	±20	1V/100K	1.7	1.9	35.0	/	25.0	/
TMPC1005H-R82MG-D	0.82	±20	1V/100K	2.0	2.4	36.0	/	25.0	/
TMPC1005H-R90MG-D	0.90	±20	1V/100K	2.2	3.0	32.0	/	25.0	/
TMPC1005H-1R0MG-D	1.00	±20	1V/100K	2.8	3.5	30.0	/	22.0	/
TMPC1005H-1R2MG-D	1.20	±20	1V/100K	2.9	3.5	28.0	/	20.0	/
TMPC1005H-1R3MG-D	1.30	±20	1V/100K	3.2	3.7	28.0	/	20.0	/
TMPC1005H-1R5MG-D	1.50	±20	1V/100K	3.5	4.1	27.0	/	19.0	/
TMPC1005H-1R8MG-D	1.80	±20	1V/100K	3.7	4.7	25.5	/	17.5	/
TMPC1005H-2R2MG-D	2.20	±20	1V/100K	5.4	6.0	24.0	/	16.0	/
TMPC1005H-3R3MG-D	3.30	±20	1V/100K	9.0	10.4	22.0	/	14.0	/
TMPC1005H-4R7MG-D	4.70	±20	1V/100K	10.0	12.5	19.0	/	13.0	/
TMPC1005H-5R0MG-D	5.00	±20	1V/100K	12.2	15.0	18.0	/	12.0	/
TMPC1005H-5R6MG-D	5.60	±20	1V/100K	14.0	16.8	16.0	/	10.0	/
TMPC1005H-6R8MG-D	6.80	±20	1V/100K	16.5	21.0	15.0	/	9.5	/
TMPC1005H-8R2MG-D	8.20	±20	1V/100K	18.5	24.0	14.5	/	9.0	/
TMPC1005H-100MG-D	10.0	±20	1V/100K	25.0	29.0	13.5	/	8.0	/
TMPC1005H-120MG-D	12.0	±20	1V/100K	30.0	35.0	10.0	/	6.0	/

Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC1005H-150MG-D	15.0	±20	1V/100K	37.0	45.0	9.5	/	5.5	/
TMPC1005H-220MG-D	22.0	±20	1V/100K	50.0	60.0	9.0	/	5.0	/
TMPC1005H-240MG-D	24.0	±20	1V/100K	59.0	70.8	7.7	/	4.6	/
TMPC1005H-330MG-D	33.0	±20	1V/100K	80.0	92.0	7.5	/	4.3	/
TMPC1005H-470MG-D	47.0	±20	1V/100K	125	145	6.5	/	3.8	/
TMPC1005H-680MG-D	68.0	±20	1V/100K	176	205	4.0	/	2.5	/

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Dimensions

Dimensions	
A	13.0±0.50
B	8.00±0.30
C	3.80±0.20
D	2.30±0.30
E	3.00±0.30

Units: mm

■ Specifications


Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC120804H-R22MG-D	0.22	±20	1V/100K	0.45	0.60	80	/	45	/
TMPC120804H-R47MG-D	0.47	±20	1V/100K	1.1	1.2	60	/	35	/

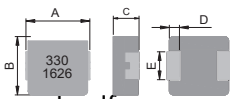
Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



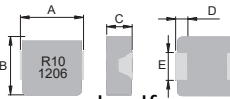
■ Dimensions





leadframe

Dimensions	
A	13.5±0.50
B	12.5±0.30
C	3.30±0.20
D	2.30±0.30
E	4.70±0.30



non-leadframe

Units: mm

■ Specifications


Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC1235HP-1R0MG-D	1.00	±20	1V/100K	2.7	3.5	40	/	24	/
TMPC1235HP-1R2MG-D	1.20	±20	1V/100K	4.0	5.0	37	/	21	/
TMPC1235HP-1R5MG-D	1.50	±20	1V/100K	4.8	5.5	35	/	19	/
TMPC1235HP-1R8MG-D	1.80	±20	1V/100K	5.2	7.0	30	/	17	/
TMPC1235HP-2R2MG-D	2.20	±20	1V/100K	6.3	8.0	29	/	16	/
TMPC1235HP-3R3MG-D	3.30	±20	1V/100K	11	13.5	27	/	12	/
TMPC1235HP-4R7MG-D	4.70	±20	1V/100K	15.3	18.5	24	/	10	/
TMPC1235HP-5R6MG-D	5.60	±20	1V/100K	18	22	19	/	9.5	/
TMPC1235HP-6R8MG-D	6.80	±20	1V/100K	20	24	18	/	9	/
TMPC1235HP-8R2MG-D	8.20	±20	1V/100K	23	28	16	/	8.5	/
TMPC1235HP-100MG-D	10.0	±20	1V/100K	29	34	14	/	7.5	/

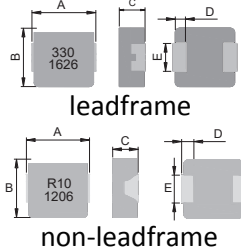
Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Dimensions





leadframe

non-leadframe

Dimensions	
A	13.5±0.50
B	12.5±0.30
C	4.80±0.20
D	2.30±0.30
E	4.70±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC1205HP-R20MG-D	0.20	±20	1V/100K	0.45	0.55	110	/	52	/
TMPC1205HP-R22MG-D	0.22	±20	1V/100K	0.50	0.70	110	/	52	/
TMPC1205HP-R33MG-D	0.33	±20	1V/100K	0.70	0.90	80	/	42	/
TMPC1205HP-R36MG-D	0.36	±20	1V/100K	0.75	0.95	75	/	42	/
TMPC1205HP-R39MG-D	0.39	±20	1V/100K	0.78	0.95	70	/	42	/
TMPC1205HP-R47MG-D	0.47	±20	1V/100K	0.86	1.10	65	/	38	/
TMPC1205HP-R50MG-D	0.50	±20	1V/100K	0.90	1.30	60	/	37	/
TMPC1205HP-R56MG-D	0.56	±20	1V/100K	1.00	1.50	55	/	36	/
TMPC1205HP-R68MG-D	0.68	±20	1V/100K	1.40	1.70	54	/	34	/
TMPC1205HP-R82MG-D	0.82	±20	1V/100K	1.70	2.10	52	/	31	/
TMPC1205HP-1R0MG-D	1.00	±20	1V/100K	1.85	2.50	50	/	29	/
TMPC1205HP-1R2MG-D	1.20	±20	1V/100K	2.50	3.00	49	/	28	/
TMPC1205HP-1R5MG-D	1.50	±20	1V/100K	2.80	3.30	48	/	27	/
TMPC1205HP-1R8MG-D	1.80	±20	1V/100K	4.00	4.90	40	/	21	/
TMPC1205HP-2R2MG-D	2.20	±20	1V/100K	4.20	5.50	32	/	20	/
TMPC1205HP-2R7MG-D	2.70	±20	1V/100K	4.70	6.70	32	/	17	/
TMPC1205HP-3R3MG-D	3.30	±20	1V/100K	6.8	9.20	32	/	15	/
TMPC1205HP-4R7MG-D	4.70	±20	1V/100K	11.4	15.0	27	/	12	/
TMPC1205HP-5R0MG-D	5.00	±20	1V/100K	12.0	15.5	24	/	12	/
TMPC1205HP-5R6MG-D	5.60	±20	1V/100K	12.3	16.5	22	/	11.5	/
TMPC1205HP-6R0MG-D	6.00	±20	1V/100K	13.0	16.5	21.5	/	11.5	/
TMPC1205HP-6R8MG-D	6.80	±20	1V/100K	14.5	18.5	21	/	11	/

Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC1205HP-7R8MG-D	7.80	±20	1V/100K	16.0	19.2	19	/	10	/
TMPC1205HP-8R2MG-D	8.20	±20	1V/100K	16.8	22.5	18	/	9.5	/
TMPC1205HP-100MG-D	10.0	±20	1V/100K	21.4	25.5	16	/	9.0	/
TMPC1205HP-120MG-D	12.0	±20	1V/100K	28.0	34.0	15	/	8.6	/
TMPC1205HP-150MG-D	15.0	±20	1V/100K	32.0	38.0	13	/	8.2	/
TMPC1205HP-180MG-D	18.0	±20	1V/100K	40.0	45.0	11	/	7.5	/
TMPC1205HP-220MG-D	22.0	±20	1V/100K	50.0	58.0	10	/	6.5	/

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



■ Dimensions

Dimensions	
A	13.5±0.50
B	12.5±0.30
C	5.70±0.30
D	2.30±0.30
E	4.70±0.30

Units: mm

■ Specifications


Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat1 (A) typ.	I sat2 (A) typ.	I sat1 (A) max.	I rms (A) typ.	I rms (A) max.
TMPC1206HP-1R0MG-D	1.00	±20	1V/100K	1.8	2.4	45	53	47	29	27
TMPC1206HP-1R2MG-D	1.20	±20	1V/100K	2.1	2.8	44	51	45	28	25
TMPC1206HP-1R5MG-D	1.50	±20	1V/100K	2.7	3.2	43	50	43	26	24
TMPC1206HP-1R7MG-D	1.70	±20	1V/100K	3.5	4.0	40	48	42	25	22
TMPC1206HP-1R8MG-D	1.80	±20	1V/100K	3.5	4.0	39	47	42	24	22
TMPC1206HP-1R9MG-D	1.90	±20	1V/100K	3.7	4.3	36	44	41	22	21
TMPC1206HP-2R2MG-D	2.20	±20	1V/100K	4.0	4.7	34	43	39	21	19
TMPC1206HP-2R7MG-D	2.70	±20	1V/100K	4.6	5.4	31	40	36	19	18
TMPC1206HP-2R9MG-D	2.90	±20	1V/100K	4.9	6.0	30	38	35	18	17
TMPC1206HP-3R3MG-D	3.30	±20	1V/100K	5.8	7.1	28	35	32	17	15
TMPC1206HP-4R7MG-D	4.70	±20	1V/100K	9.5	11.5	25	30	26	16	13
TMPC1206HP-5R6MG-D	5.60	±20	1V/100K	10.8	12.6	22	28	24	15.5	12
TMPC1206HP-6R8MG-D	6.80	±20	1V/100K	12.0	13.8	19	25	21	15	11
TMPC1206HP-8R2MG-D	8.20	±20	1V/100K	13.6	16.0	17	23	19	11	10
TMPC1206HP-100MG-D	10.0	±20	1V/100K	18.0	20.7	15.5	21.0	18.0	11.0	9.0
TMPC1206HP-120MG-D	12.0	±20	1V/100K	20.0	23.0	13.5	18.0	16.0	9.5	8.0
TMPC1206HP-150MG-D	15.0	±20	1V/100K	25.0	29.0	13.0	16.0	14.0	9.0	7.0
TMPC1206HP-180MG-D	18.0	±20	1V/100K	30.0	35.0	12.0	15.0	12.0	8.5	6.5
TMPC1206HP-220MG-D	22.0	±20	1V/100K	34.0	39.5	11.0	14.0	11.0	8.0	6.0
TMPC1206HP-270MG-D	27.0	±20	1V/100K	49.0	56.0	9.0	13.0	10.0	7.0	5.5
TMPC1206HP-330MG-D	33.0	±20	1V/100K	65.0	75.0	8.0	12.0	9.0	6.0	5.0
TMPC1206HP-470MG-D	47.0	±20	1V/100K	80.0	90.0	7.0	11.0	8.0	5.5	4.5

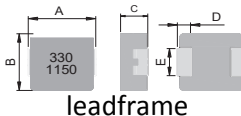
Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- Saturation Current (I_{sat}) will cause L₀ to drop approximately 20%(I_{sat1}) or 30%(I_{sat2}).

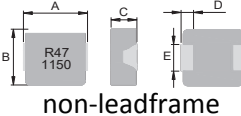


■ Dimensions





leadframe



non-leadframe

Dimensions	
A	13.5±0.50
B	12.5±0.30
C	6.20±0.30
D	2.30±0.30
E	4.70±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC1265HP-R15MG-D	0.15	±20	1V/100K	0.49	0.60	118	/	55	/
TMPC1265HP-R22MG-D	0.22	±20	1V/100K	0.47	0.60	112	/	53	/
TMPC1265HP-R30MG-D	0.30	±20	1V/100K	0.60	0.72	72	/	48	/
TMPC1265HP-R33MG-D	0.33	±20	1V/100K	0.65	0.80	68	/	46	/
TMPC1265HP-R36MG-D	0.36	±20	1V/100K	0.70	0.90	66	/	45	/
TMPC1265HP-R40MG-D	0.40	±20	1V/100K	0.70	1.00	64	/	44	/
TMPC1265HP-R45MG-D	0.45	±20	1V/100K	0.90	1.20	63	/	42	/
TMPC1265HP-R47MG-D	0.47	±20	1V/100K	0.90	1.20	63	/	41	/
TMPC1265HP-R50MG-D	0.50	±20	1V/100K	0.92	1.25	60	/	40	/
TMPC1265HP-R56MG-D	0.56	±20	1V/100K	1.05	1.20	58	/	37	/
TMPC1265HP-R68MG-D	0.68	±20	1V/100K	1.25	1.50	55	/	35	/
TMPC1265HP-R82MG-D	0.82	±20	1V/100K	1.50	1.90	50	/	33	/
TMPC1265HP-1R0MG-D	1.00	±20	1V/100K	1.70	2.30	48	/	30	/
TMPC1265HP-1R2MG-D	1.20	±20	1V/100K	1.90	2.40	47	/	28	/
TMPC1265HP-1R4MG-D	1.40	±20	1V/100K	2.10	2.60	46	/	27	/

Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Specifications

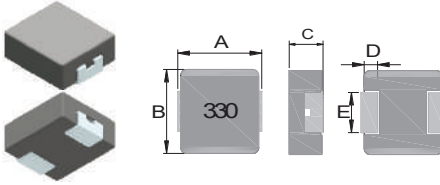
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPC1265HP-1R5MG-D	1.50	±20	1V/100K	2.5	3.0	45.0	/	27.0	/
TMPC1265HP-1R8MG-D	1.80	±20	1V/100K	3.6	4.0	40.0	/	24.0	/
TMPC1265HP-2R2MG-D	2.20	±20	1V/100K	3.8	4.2	37.0	/	22.0	/
TMPC1265HP-2R7MG-D	2.70	±20	1V/100K	4.3	5.5	32.0	/	20.0	/
TMPC1265HP-3R3MG-D	3.30	±20	1V/100K	5.7	6.8	30.0	/	18.0	/
TMPC1265HP-4R7MG-D	4.70	±20	1V/100K	7.0	8.4	28.0	/	13.5	/
TMPC1265HP-5R6MG-D	5.60	±20	1V/100K	8.5	10	23.0	/	12.5	/
TMPC1265HP-6R8MG-D	6.80	±20	1V/100K	9.5	11.5	18.0	/	11.5	/
TMPC1265HP-7R0MG-D	7.00	±20	1V/100K	10.0	12.3	17.7	/	11.2	/
TMPC1265HP-8R2MG-D	8.20	±20	1V/100K	12.0	15.5	16.0	/	10.5	/
TMPC1265HP-100MG-D	10.0	±20	1V/100K	13.2	16.5	15.5	/	10.0	/
TMPC1265HP-120MG-D	12.0	±20	1V/100K	16.0	20.0	14.0	/	9.5	/
TMPC1265HP-130MG-D	13.0	±20	1V/100K	21.0	24.0	13.0	/	9.0	/
TMPC1265HP-150MG-D	15.0	±20	1V/100K	23.2	28.0	13.0	/	9.0	/
TMPC1265HP-220MG-D	22.0	±20	1V/100K	32.5	37.0	12.0	/	9.0	/
TMPC1265HP-250MG-D	25.0	±20	1V/100K	40.0	47.0	11.5	/	8.5	/
TMPC1265HP-330MG-D	33.0	±20	1V/100K	48.0	58.0	11.0	/	8.0	/
TMPC1265HP-470MG-D	47.0	±20	1V/100K	76.0	90.0	9.5	/	6.5	/

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40 °C
- 2.Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Dimensions



Dimensions	
A	17.6±0.40
B	16.9±0.30
C	6.70±0.30
D	2.10±0.30
E	11.9±0.30

Units: mm

■ Specifications

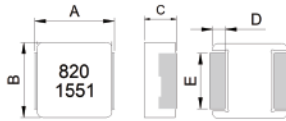
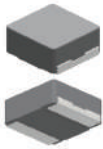
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat1 (A) typ.	I sat2 (A) typ.	I rms (A) typ.	I rms (A) max.
TMPC1707HP-1R0MG	1.00	±20	1V/100K	1.6	2.0	60	70	52.0	/
TMPC1707HP-1R3MG	1.30	±20	1V/100K	1.7	2.3	54	67	49.0	/
TMPC1707HP-1R5MG	1.50	±20	1V/100K	2.0	2.5	52	65	47.0	/
TMPC1707HP-1R8MG	1.80	±20	1V/100K	2.1	2.5	49	63	45.0	/
TMPC1707HP-2R2MG	2.20	±20	1V/100K	2.4	2.7	47	62	43.5	/
TMPC1707HP-3R3MG	3.30	±20	1V/100K	3.5	3.9	45	54	28.0	/
TMPC1707HP-4R7MG	4.70	±20	1V/100K	4.8	5.5	41	50	25.0	/
TMPC1707HP-5R6MG	5.60	±20	1V/100K	5.8	7.0	40	45	21.0	/
TMPC1707HP-6R8MG	6.80	±20	1V/100K	8.4	9.2	32	39	19.0	/
TMPC1707HP-7R4MG	7.40	±20	1V/100K	8.8	9.7	27	34	18.5	/
TMPC1707HP-8R2MG	8.20	±20	1V/100K	9.6	10.8	25	31	18.0	/
TMPC1707HP-100MG	10.0	±20	1V/100K	11.8	13.0	24	29	16.5	/
TMPC1707HP-150MG	15.0	±20	1V/100K	17.8	20.5	23	27	12.5	/
TMPC1707HP-220MG	22.0	±20	1V/100K	25.1	26.5	18	23	12.0	/
TMPC1707HP-330MG	33.0	±20	1V/100K	38.0	44.0	15	20	10.7	/
TMPC1707HP-390MG	39.0	±20	1V/100K	40.0	48.0	11	18	9.2	/
TMPC1707HP-470MG	47.0	±20	1V/100K	48.0	55.0	9.5	16	8.7	/
TMPC1707HP-560MG	56.0	±20	1V/100K	54.0	62.0	9.0	15	7.8	/
TMPC1707HP-680MG	68.0	±20	1V/100K	68.0	80.0	8.0	13	7.0	/
TMPC1707HP-820MG	82.0	±20	1V/100K	87.0	100.0	7.0	12	5.7	/
TMPC1707HP-101MG	100	±20	1V/100K	102.0	118.0	6.5	12	5.3	/

Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- Saturation Current (I_{sat1}) will cause L₀ to drop approximately 20%.
Saturation Current (I_{sat2}) will cause L₀ to drop approximately 30%.

TMPA 0603HT Series

■ Dimensions



Dimensions	
A	7.10±0.30
B	6.60±0.20
C	2.80±0.20
D	1.60±0.30
E	3.00±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA0603HT-R47MN-D	0.47	±20	1V/100K	3.5	4.0	21	18	20	18
TMPA0603HT-R56MN-D	0.56	±20	1V/100K	4.2	4.8	20	17	19	17
TMPA0603HT-R68MN-D	0.68	±20	1V/100K	4.8	5.6	19	16.5	17	15.5
TMPA0603HT-R82MN-D	0.82	±20	1V/100K	5.7	6.8	18	16	16	14
TMPA0603HT-1R0MN-D	1.00	±20	1V/100K	6.6	8.0	16	14	15	13
TMPA0603HT-1R5MN-D	1.50	±20	1V/100K	11.2	13.2	14	12	13	11
TMPA0603HT-2R2MN-D	2.20	±20	1V/100K	13.7	15.8	13.0	11.0	11.0	9.0
TMPA0603HT-3R3MN-D	3.30	±20	1V/100K	21.5	25.8	9.5	8.3	9.0	7.3
TMPA0603HT-4R7MN-D	4.70	±20	1V/100K	32	37	8.5	7.0	7.0	6.0
TMPA0603HT-5R6MN-D	5.60	±20	1V/100K	36	42	7.2	6.0	6.5	5.5
TMPA0603HT-6R8MN-D	6.80	±20	1V/100K	43	50	6.5	5.5	6.0	5.0
TMPA0603HT-100MN-D	10.0	±20	1V/100K	62	68	5.0	4.2	5.0	4.2
TMPA0603HT-150MN-D	15.0	±20	1V/100K	95	114	3.2	2.8	4.1	3.5
TMPA0603HT-220MN-D	22.0	±20	1V/100K	140	168	3.0	2.6	3.4	2.8

Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Dimensions

Dimensions	
A	11.0±0.30
B	10.0±0.30
C	3.80±0.20
D	2.00±0.30
E	3.00±0.30

Units: mm

■ Specifications


Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA1004HT-1R0MN-D	1.00	±20	1V/100K	2.80	3.07	29.0	26.0	27.0	24.0
TMPA1004HT-1R5MN-D	1.50	±20	1V/100K	4.20	4.50	27.0	24.0	22.0	19.0
TMPA1004HT-2R2MN-D	2.20	±20	1V/100K	6.50	7.20	21.0	18.0	18.0	15.0
TMPA1004HT-3R3MN-D	3.30	±20	1V/100K	10.2	11.8	18.0	16.0	15.0	12.0
TMPA1004HT-4R7MN-D	4.70	±20	1V/100K	14.3	15.3	15.0	13.0	13.0	10.0
TMPA1004HT-5R6MN-D	5.60	±20	1V/100K	15.5	17.5	13.0	11.0	12.0	9.6
TMPA1004HT-6R8MN-D	6.80	±20	1V/100K	20.2	22.3	11.0	10.0	10.5	9.0
TMPA1004HT-100MN-D	10.0	±20	1V/100K	29.3	33.0	9.0	8.0	8.0	7.0
TMPA1004HT-150MN-D	15.0	±20	1V/100K	45.0	50.0	7.6	6.5	7.0	6.0
TMPA1004HT-220MN-D	22.0	±20	1V/100K	64.0	72.0	6.5	5.7	6.0	5.0
TMPA1004HT-330MN-D	33.0	±20	1V/100K	110	117.7	5.3	4.5	5.0	4.2
TMPA1004HT-470MN-D	47.0	±20	1V/100K	145	167.0	4.5	4.0	4.0	3.4
TMPA1004HT-680MN-D	68.0	±20	1V/100K	210	240.0	3.5	2.8	3.5	3.0

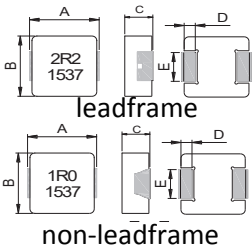
Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Dimensions





leadframe

non-leadframe

Dimensions	
A	13.5±0.50
B	12.6±0.20
C	6.20±0.30
D	2.30±0.30
E	4.00±0.30 1.0~1.5uH
	4.70±0.30 0.47uH and below 2.20uH and above

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA1265HT-R22MN-D	0.22	±20	1V/100K	0.40	0.46	75	70	45	40
TMPA1265HT-R33MN-D	0.33	±20	1V/100K	0.55	0.62	68	63	43	37
TMPA1265HT-R47MN-D	0.47	±20	1V/100K	0.80	0.90	65	60	40	35
TMPA1265HT-1R0MN-D	1.00	±20	1V/100K	1.40	1.70	37	33	35	30
TMPA1265HT-1R2MN-D	1.20	±20	1V/100K	1.70	2.00	35	32	30	25
TMPA1265HT-1R5MN-D	1.50	±20	1V/100K	2.20	2.53	31	27	27	23
TMPA1265HT-2R2MN-D	2.20	±20	1V/100K	3.2	3.7	27	23	25	22
TMPA1265HT-3R3MN-D	3.30	±20	1V/100K	4.8	5.6	24	21	22	20
TMPA1265HT-4R7MN-D	4.70	±20	1V/100K	6.7	7.7	22	20	19	17
TMPA1265HT-5R6MN-D	5.60	±20	1V/100K	8.0	9.2	20	18	17	15
TMPA1265HT-6R8MN-D	6.80	±20	1V/100K	10.3	12	17	15	15	13
TMPA1265HT-8R2MN-D	8.20	±20	1V/100K	11.8	13.6	16	14	13	12
TMPA1265HT-100MN-D	10.0	±20	1V/100K	13.8	16.0	15	13	12	11
TMPA1265HT-120MN-D	12.0	±20	1V/100K	17.3	20.0	12.5	11.5	11	10
TMPA1265HT-150MN-D	15.0	±20	1V/100K	21	25	12	11	9.5	8.5
TMPA1265HT-220MN-D	22.0	±20	1V/100K	30	35	9.0	8.0	8.5	7.5
TMPA1265HT-330MN-D	33.0	±20	1V/100K	46	55	8.0	7.0	7.6	6.5

Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Dimensions

Dimensions	
A	4.20±0.20
B	4.15±0.20
C	0.83±0.20
D	0.90±0.20
E	1.80±0.20

Units: mm

■ Specifications

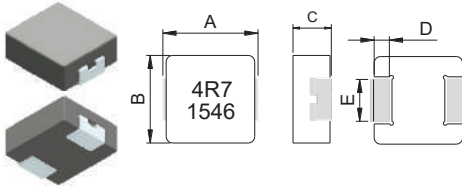
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA404010S-100MN-R32	10.0	±20	1V/100K	300	320	2.0	1.7	1.6	1.4

Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Dimensions



Dimensions	
A	5.70±0.30
B	5.20±0.20
C	2.80±0.20
D	1.00±0.30
E	2.00±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA0503S-R47MN-D	0.47	±20	1V/100K	5.2	6.0	10.0	9.0	13.5	12
TMPA0503S-R68MN-D	0.68	±20	1V/100K	7.4	8.5	9.0	8.0	12.5	11
TMPA0503S-R82MN-D	0.82	±20	1V/100K	8.0	9.2	8.8	7.7	10.0	9.0
TMPA0503S-1R0MN-D	1.00	±20	1V/100K	10.5	12.0	8.5	7.5	9.0	8.0
TMPA0503S-1R2MN-D	1.20	±20	1V/100K	12.0	14.4	8.0	7.0	8.5	7.5
TMPA0503S-1R5MN-D	1.50	±20	1V/100K	13.6	15.7	7.5	6.5	8.0	7.0
TMPA0503S-2R2MN-D	2.20	±20	1V/100K	21.6	25	6.5	5.8	7.0	6.5
TMPA0503S-2R7MN-D	2.70	±20	1V/100K	26.5	30	6.3	5.5	6.7	6.2
TMPA0503S-3R3MN-D	3.30	±20	1V/100K	28	33	6.0	5.3	6.3	5.8
TMPA0503S-4R7MN-D	4.70	±20	1V/100K	38	44	5.3	4.6	5.5	4.8
TMPA0503S-5R6MN-D	5.60	±20	1V/100K	50	58	4.6	4.0	5.0	4.3
TMPA0503S-6R8MN-D	6.80	±20	1V/100K	57	66	3.5	3.1	4.3	3.7
TMPA0503S-100MN-D	10.0	±20	1V/100K	88	103	2.5	2.1	3.8	3.4

Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

TMPA 606010SP Series (2424 inch -55~+150 °C)



■ Dimensions

Dimensions	
A	6.10±0.30
B	6.10±0.30
C	0.80±0.20
D	1.75±0.30
E	4.00±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA606010SP-6R8MN-D	6.80	±20	1V/100K	164	197	2.5	2.2	2.1	1.9
TMPA606010SP-100MN-D	10.0	±20	1V/100K	259	310	2.1	1.9	1.7	1.5

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Dimensions

Dimensions	
A	7.10±0.30
B	6.60±0.20
C	2.80±0.20
D	1.60±0.30
E	3.00±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA0603S-R15YN-D	0.15	±30	1V/100K	1.7	2.1	40	36	30	25
TMPA0603S-R22MN-D	0.22	±20	1V/100K	2.0	2.5	34	32	23	21
TMPA0603S-R24MN-D	0.24	±20	1V/100K	2.2	2.7	28	24	22.5	20.5
TMPA0603S-R33MN-D	0.33	±20	1V/100K	2.8	3.4	25	22	21	20
TMPA0603S-R36MN-D	0.36	±20	1V/100K	3.3	3.9	24	21	20	18
TMPA0603S-R47MN-D	0.47	±20	1V/100K	3.4	4.0	20	18	18	16
TMPA0603S-R56MN-D	0.56	±20	1V/100K	3.9	4.5	18	16	16.5	15
TMPA0603S-R68MN-D	0.68	±20	1V/100K	4.7	5.3	17	15	16	14.5
TMPA0603S-R82MN-D	0.82	±20	1V/100K	5.4	6.0	16	14	14	13
TMPA0603S-1R0MN-D	1.00	±20	1V/100K	6.7	7.4	15.0	13.5	12.0	11.0
TMPA0603S-1R2MN-D	1.20	±20	1V/100K	7.7	9.5	14.0	12.5	10.0	9.5
TMPA0603S-1R5MN-D	1.50	±20	1V/100K	10.2	12.1	14.0	12.0	10.0	9.0
TMPA0603S-1R8MN-D	1.80	±20	1V/100K	10.9	13.0	12.0	10.0	9.0	8.0
TMPA0603S-2R2MN-D	2.20	±20	1V/100K	13.5	15.0	10.0	9.0	8.0	7.5
TMPA0603S-2R7MN-D	2.70	±20	1V/100K	17.3	20.0	9.8	8.8	7.2	7.0
TMPA0603S-3R3MN-D	3.30	±20	1V/100K	19	22	9.5	8.5	6.5	6.0
TMPA0603S-4R7MN-D	4.70	±20	1V/100K	28	33	6.5	5.5	5.5	5.0
TMPA0603S-5R6MN-D	5.60	±20	1V/100K	39	42	6.0	5.2	5.5	5.0
TMPA0603S-6R8MN-D	6.80	±20	1V/100K	43	50	6.0	5.0	4.5	4.2

Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Specifications

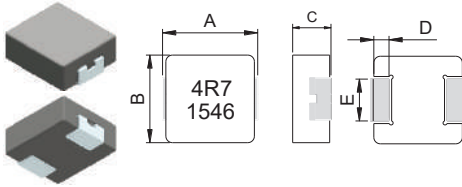
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA0603S-8R2MN-D	8.20	±20	1V/100K	54	60	6.0	4.7	4.5	4.0
TMPA0603S-100MN-D	10.0	±20	1V/100K	62	68	5.5	4.5	4.0	3.5
TMPA0603S-120MN-D	12.0	±20	1V/100K	65	78	4.6	4.1	3.5	3.0
TMPA0603S-150MN-D	15.0	±20	1V/100K	110	140	4.5	4.0	3.0	2.5
TMPA0603S-180MN-D	18.0	±20	1V/100K	130	160	3.5	3.0	2.7	2.3
TMPA0603S-220MN-D	22.0	±20	1V/100K	150	190	3.0	2.5	2.5	2.0

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



■ Dimensions



Dimensions	
A	7.10±0.30
B	6.60±0.20
C	3.80±0.20
D	1.60±0.30
E	3.00±0.20

Units: mm

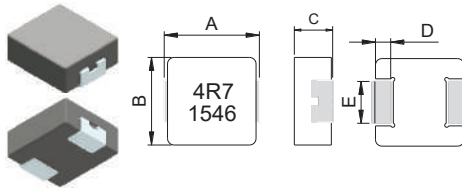
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA0604S-R33MN-D	0.33	±20	1V/100K	2.2	2.5	28.0	25.0	25.0	23.0
TMPA0604S-R45MN-D	0.45	±20	1V/100K	2.8	3.2	21.0	18.0	20.0	18.0
TMPA0604S-R56MN-D	0.56	±20	1V/100K	3.4	3.7	20.0	17.0	19.0	16.0
TMPA0604S-1R0MN-D	1.00	±20	1V/100K	5.6	6.2	15.0	13.5	15.0	13.0
TMPA0604S-6R8MN-D	6.80	±20	1V/100K	31	38.0	6.8	5.8	7.6	6.6

Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.

■ Dimensions



Dimensions	
A	7.30±0.30
B	6.60±0.20
C	4.80±0.20
D	1.60±0.30
E	3.00±0.20

Units: mm

■ Specifications


Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA0605S-R15MN-D	0.15	±20	1V/100K	1.3	1.7	45	40	35	32
TMPA0605S-R47MN-D	0.47	±20	1V/100K	2.9	3.3	22	20	22	20
TMPA0605S-R56MN-D	0.56	±20	1V/100K	3.4	3.9	21	18	21	19
TMPA0605S-R68MN-D	0.68	±20	1V/100K	3.6	4.1	20	17	20	18
TMPA0605S-R82MN-D	0.82	±20	1V/100K	5.3	5.9	18	15	18	16
TMPA0605S-1R0MN-D	1.00	±20	1V/100K	5.6	6.2	16	13	17	15
TMPA0605S-1R2MN-D	1.20	±20	1V/100K	6.4	7.1	14	11	16	14
TMPA0605S-1R5MN-D	1.50	±20	1V/100K	6.6	7.3	13.0	10.5	15.0	13.0
TMPA0605S-1R8MN-D	1.80	±20	1V/100K	7.6	9.0	11.0	9.0	14.5	12.5
TMPA0605S-2R2MN-D	2.20	±20	1V/100K	10.0	11.5	10.0	8.5	14.0	12.0
TMPA0605S-3R3MN-D	3.30	±20	1V/100K	14.0	16.2	9.5	8.0	13.0	11.0
TMPA0605S-4R7MN-D	4.70	±20	1V/100K	20.8	24	8.8	7.5	11.0	9.5
TMPA0605S-5R6MN-D	5.60	±20	1V/100K	28.0	33	8.0	7.2	10.0	8.5
TMPA0605S-6R8MN-D	6.80	±20	1V/100K	30.0	36	7.6	7.0	9.0	8.0
TMPA0605S-8R2MN-D	8.20	±20	1V/100K	38.5	45	6.5	6.0	7.5	6.5
TMPA0605S-100MN-D	10.0	±20	1V/100K	44	53	6.0	5.7	7.0	6.0
TMPA0605S-120MN-D	12.0	±20	1V/100K	56	68	5.1	4.7	5.8	4.8
TMPA0605S-150MN-D	15.0	±20	1V/100K	73	85	4.0	3.2	5.0	4.0
TMPA0605S-220MN-D	22.0	±20	1V/100K	122	142	3.6	3.1	4.2	3.6
TMPA0605S-330MN-D	33.0	±20	1V/100K	142	170	2.3	1.8	3.0	2.5
TMPA0605S-470MN-D	47.0	±20	1V/100K	275	320	1.8	1.5	2.6	2.0

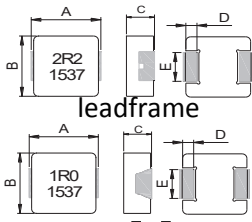
Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Dimensions





leadframe

non-leadframe

Dimensions	
A	11.0±0.50
B	10.0±0.30
C	2.80±0.20
D	2.00±0.30
E	See Spec table

Units: mm

■ Specifications

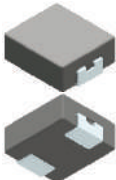
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.	E (mm)
TMPA1003S-R22MN-D	0.22	±20	1V/100K	0.9	1.0	50	45	33	30	2.7±0.35
TMPA1003S-R36MN-D	0.36	±20	1V/100K	1.25	1.4	40	35	28	25	2.7±0.35
TMPA1003S-R47MN-D	0.47	±20	1V/100K	1.8	2.2	36	32	26	23	2.5±0.35
TMPA1003S-R82MN-D	0.82	±20	1V/100K	3.1	3.7	28	25	20	18	3.0±0.3
TMPA1003S-2R2MN-D	2.20	±20	1V/100K	7.8	8.8	18	16	14	12	3.0±0.3
TMPA1003S-8R2MN-D	8.20	±20	1V/100K	32	38	7.2	6.8	7.2	6.5	3.0±0.3

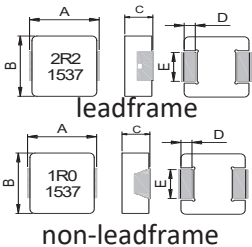
Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Dimensions





leadframe

non-leadframe

Dimensions	
A	11.0±0.30
B	10.0±0.30
C	3.80±0.20
D	2.00±0.30
E	2.50±0.30
	3.00±0.20
	0.56~1.50uH among 0.47uH and below 1.80uH and above

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA1004S-R15YN-D	0.15	±30	1V/100K	0.50	0.60	82.0	75.0	44.0	38.0
TMPA1004S-R18MN-D	0.18	±20	1V/100K	0.53	0.63	76.0	68.0	40.0	36.0
TMPA1004S-R22MN-D	0.22	±20	1V/100K	0.72	0.83	70.0	60.0	36.0	33.0
TMPA1004S-R33MN-D	0.33	±20	1V/100K	0.87	0.98	55.0	49.0	34.0	31.0
TMPA1004S-R36MN-D	0.36	±20	1V/100K	1.05	1.18	51.0	45.0	33.0	29.0
TMPA1004S-R42MN-D	0.42	±20	1V/100K	1.15	1.3	50.0	42.0	32.5	28.5
TMPA1004S-R45MN-D	0.45	±20	1V/100K	1.2	1.4	48.0	42.0	32.5	28.5
TMPA1004S-R47MN-D	0.47	±20	1V/100K	1.3	1.5	46.0	40.0	32.0	28.0
TMPA1004S-R56MN-D	0.56	±20	1V/100K	1.6	1.8	34.0	29.0	25.0	23.0
TMPA1004S-R68MN-D	0.68	±20	1V/100K	1.9	2.2	31.0	28.0	23.0	20.0
TMPA1004S-R82MN-D	0.82	±20	1V/100K	2.1	2.5	30.0	27.0	22.0	19.0
TMPA1004S-R88MN-D	0.88	±20	1V/100K	2.2	2.6	29.5	27.0	21.0	19.0
TMPA1004S-R90MN-D	0.90	±20	1V/100K	2.2	2.6	29.5	27.0	21.0	19.0
TMPA1004S-1R0MN-D	1.00	±20	1V/100K	2.9	3.25	29.0	26.0	20.0	18.0
TMPA1004S-1R2MN-D	1.20	±20	1V/100K	3.2	3.8	27.5	24.0	18.5	17.0
TMPA1004S-1R5MN-D	1.50	±20	1V/100K	3.7	4.2	26.0	22.0	17.5	16.0
TMPA1004S-1R8MN-D	1.80	±20	1V/100K	5.1	5.7	23.0	20.5	16.5	15.0
TMPA1004S-2R0MN-D	2.00	±20	1V/100K	5.3	6.1	21.0	18.0	16.0	14.5

Note:

1. Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
2. Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Specifications

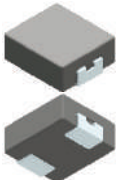
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA1004S-2R2MN-D	2.20	±20	1V/100K	5.8	6.7	20.0	16.0	15.0	13.0
TMPA1004S-3R3MN-D	3.30	±20	1V/100K	10.5	11.8	17.5	14.0	11.0	10.0
TMPA1004S-4R7MN-D	4.70	±20	1V/100K	15.8	19	15.2	13.0	8.8	8.0
TMPA1004S-5R6MN-D	5.60	±20	1V/100K	19	22.8	14.1	11.5	8.0	7.2
TMPA1004S-6R8MN-D	6.80	±20	1V/100K	22	24.5	12.2	11.0	7.8	6.8
TMPA1004S-8R2MN-D	8.20	±20	1V/100K	25	28	9.5	8.5	7.6	6.5
TMPA1004S-100MN-D	10.0	±20	1V/100K	27	30	8.6	7.5	7.5	6.1
TMPA1004S-150MN-D	15.0	±20	1V/100K	41	45	7.0	6.0	6.2	5.0
TMPA1004S-220MN-D	22.0	±20	1V/100K	58	66	6.2	5.5	5.0	4.1

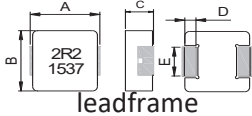
Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

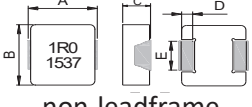


■ Dimensions





leadframe



non-leadframe

Dimensions	
A	11.0±0.50
B	10.0±0.30
C	4.80±0.20
D	2.00±0.30
E	2.50±0.30 0.68~1.50uH
	3.00±0.30 0.30uH and below 2.20uH and above

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA1005S-R30MN-D	0.30	±20	1V/100K	0.67	0.80	55.0	49.0	36.0	32.0
TMPA1005S-R36MN-D	0.36	±20	1V/100K	0.82	0.92	52.0	46.0	34.0	30.0
TMPA1005S-R47MN-D	0.47	±20	1V/100K	1.15	1.32	46.0	40.0	33.0	29.0
TMPA1005S-R68MN-D	0.68	±20	1V/100K	1.6	1.9	35.0	32.0	28.0	25.0
TMPA1005S-1R0MN-D	1.00	±20	1V/100K	2.6	3.0	33.0	30.0	25.0	23.0
TMPA1005S-1R5MN-D	1.50	±20	1V/100K	3.4	3.8	27.0	24.0	23.0	21.0
TMPA1005S-2R2MN-D	2.20	±20	1V/100K	5.1	5.6	20.0	18.0	19.5	17.5
TMPA1005S-3R3MN-D	3.30	±20	1V/100K	8.1	9.1	17.5	15.5	17.0	15.0
TMPA1005S-4R7MN-D	4.70	±20	1V/100K	9.3	10.5	16.0	14.0	15.0	13.0
TMPA1005S-5R6MN-D	5.60	±20	1V/100K	12.8	14.4	15.0	12.5	13.0	11.0
TMPA1005S-6R8MN-D	6.80	±20	1V/100K	15.0	17.3	14.0	12.0	12.0	10.0
TMPA1005S-8R2MN-D	8.20	±20	1V/100K	16.1	18.8	13.5	11.5	10.0	8.50
TMPA1005S-100MN-D	10.0	±20	1V/100K	18.9	21.8	13.0	11.0	7.6	7.2
TMPA1005S-150MN-D	15.0	±20	1V/100K	32	39	8.5	7.5	6.5	6.0

Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Specifications


Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA1005S-220MN-D	22.0	±20	1V/100K	44	54	6.0	5.5	6.0	5.5
TMPA1005S-330MN-D	33.0	±20	1V/100K	74	86	5.8	5.2	5.5	5.0
TMPA1005S-470MN-D	47.0	±20	1V/100K	106	127	3.5	4.0	4.5	4.0
TMPA1005S-101MN-D	100	±20	1V/100K	242	290	2.8	2.4	2.2	2.0

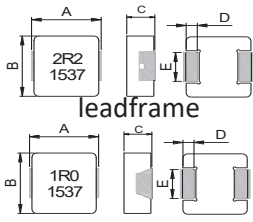
Note:

- 1.Heat Rated Current (I rms) will cause the coil temperature rise approximately ΔT of 40℃
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Dimensions





leadframe

non-leadframe

Dimensions	
A	13.5±0.50
B	12.6±0.20
C	4.70±0.30
D	2.30±0.30
E	3.00±0.20
	1.00uH and below 1.50uH and above

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA1205SP-R22MN-D	0.22	±20	1V/100K	0.50	0.61	65	60	55	50
TMPA1205SP-R47MN-D	0.47	±20	1V/100K	0.77	0.90	65	58	38	34
TMPA1205SP-R56MN-D	0.56	±20	1V/100K	1.10	1.30	57	50	36	32.5
TMPA1205SP-R68MN-D	0.68	±20	1V/100K	1.30	1.55	50	42	34	31
TMPA1205SP-R82MN-D	0.82	±20	1V/100K	1.40	1.70	44	38	32	29
TMPA1205SP-1R0MN-D	1.00	±20	1V/100K	1.60	1.90	40	34	30	27
TMPA1205SP-1R2MN-D	1.20	±20	1V/100K	2.40	2.80	34	30	27	24
TMPA1205SP-1R5MN-D	1.50	±20	1V/100K	3.20	3.80	31	28	25	22
TMPA1205SP-1R8MN-D	1.80	±20	1V/100K	3.70	4.30	28	25	22	19
TMPA1205SP-2R2MN-D	2.20	±20	1V/100K	4.10	4.80	26	23	17	15.5
TMPA1205SP-3R3MN-D	3.30	±20	1V/100K	6.00	7.00	23	20.5	15.5	14
TMPA1205SP-4R7MN-D	4.70	±20	1V/100K	8.80	10.2	18.5	16	14	12.5
TMPA1205SP-5R6MN-D	5.60	±20	1V/100K	10.0	12.0	17.5	15.5	13	12
TMPA1205SP-6R8MN-D	6.80	±20	1V/100K	13.0	16.0	16.5	15	12	11
TMPA1205SP-8R2MN-D	8.20	±20	1V/100K	15	18	13.5	12	11	10

Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Specifications


Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA1205SP-100MN-D	10.0	±20	1V/100K	19.2	22.0	13	10.5	10	9.0
TMPA1205SP-150MN-D	15.0	±20	1V/100K	30.0	36.0	11	9.2	9.4	8.2
TMPA1205SP-220MN-D	22.0	±20	1V/100K	42.0	52.0	8.5	7.5	8.0	7.0
TMPA1205SP-330MN-D	33.0	±20	1V/100K	66.0	80.0	7.3	6.5	6.0	5.2
TMPA1205SP-390MN-D	39.0	±20	1V/100K	70.0	84.0	6.6	5.8	5.6	4.8
TMPA1205SP-470MN-D	47.0	±20	1V/100K	78	94	6.0	5.2	5.2	4.3
TMPA1205SP-680MN-D	68.0	±20	1V/100K	110	132	5.0	4.4	4.3	3.6
TMPA1205SP-101MN-D	100	±20	1V/100K	175	210	4.0	3.7	3.5	3.0
TMPA1205SP-121MN-D	120	±20	1V/100K	225	270	3.7	3.2	3.0	2.5
TMPA1205SP-151MN-D	150	±20	1V/100K	280	336	3.2	2.8	2.7	2.3

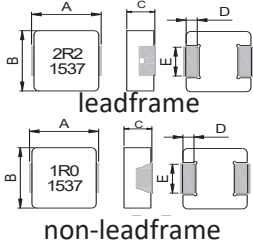
Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



■ Dimensions





leadframe

non-leadframe

Dimensions	
A	13.5±0.50
B	12.6±0.20
C	5.70±0.30
D	2.30±0.30
E	4.00±0.30 1.00~1.50uH
	4.70±0.30 0.36uH and below 3.30uH and above

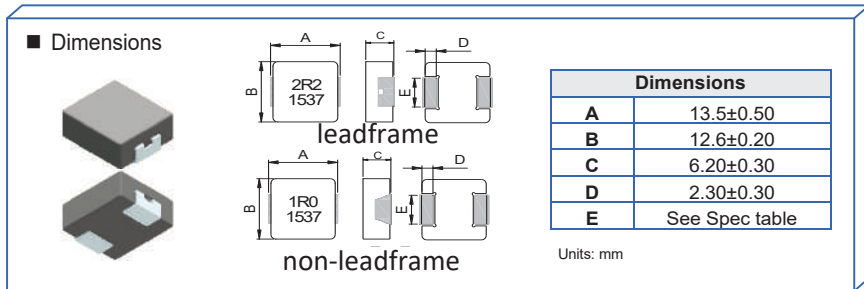
Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA1206SP-R36MN-D	0.36	±20	1V/100K	0.65	0.80	70.0	60.0	60.0	50.0
TMPA1206SP-R82MN-D	0.82	±20	1V/100K	1.40	1.70	41.0	36.0	35.0	30.0
TMPA1206SP-1R0MN-D	1.00	±20	1V/100K	1.70	2.00	34.0	29.0	30.0	26.0
TMPA1206SP-1R5MN-D	1.50	±20	1V/100K	2.40	3.00	32.0	27.0	28.0	24.0
TMPA-1206SP-2R2MN-D	2.20	±20	1V/100K	3.70	4.30	28.0	24.0	25.0	21.0
TMPA1206SP-3R3MN-D	3.30	±20	1V/100K	5.30	6.50	28.0	24.0	21.0	18.0
TMPA1206SP-4R7MN-D	4.70	±20	1V/100K	7.00	8.40	23.0	19.5	19.0	16.0
TMPA1206SP-5R6MN-D	5.60	±20	1V/100K	9.00	10.8	19.0	17.0	16.0	14.0
TMPA1206SP-8R2MN-D	8.20	±20	1V/100K	13.5	16.0	17.0	15.5	13.5	12.0
TMPA1206SP-100MN-D	10.0	±20	1V/100K	15.5	18.6	16.0	14.5	12.0	10.5
TMPA1206SP-150MN-D	15.0	±20	1V/100K	24.0	29.0	10.0	9.00	10.0	8.50
TMPA1206SP-220MN-D	22.0	±20	1V/100K	31.2	37.5	9.00	8.00	8.00	7.00
TMPA1206SP-330MN-D	33.0	±20	1V/100K	56.0	68.0	7.80	6.70	6.50	5.50
TMPA1206SP-470MN-D	47.0	±20	1V/100K	76.0	88.0	6.70	5.50	5.20	4.50
TMPA1206SP-560MN-D	56.0	±20	1V/100K	90.0	108	6.30	5.30	4.90	4.10
TMPA1206SP-680MN-D	68.0	±20	1V/100K	103	124	5.80	5.00	4.50	3.70
TMPA1206SP-101MN-D	100	±20	1V/100K	162	195	5.00	4.00	3.20	2.80
TMPA1206SP-151MN-D	150	±20	1V/100K	270	325	4.10	3.20	2.60	2.20

Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.	E (mm) ±0.3
TMPA1265SP-R22MN-D	0.22	±20	1V/100K	0.40	0.46	112	105	53	42	4.7
TMPA1265SP-R33MN-D	0.33	±20	1V/100K	0.60	0.70	75	65	46	36	4.7
TMPA1265SP-R47MN-D	0.47	±20	1V/100K	0.88	1.02	68	58	42	35	4.7
TMPA1265SP-R50MN-D	0.50	±20	1V/100K	0.90	1.10	60	55	38	34	4.7
TMPA1265SP-R56MN-D	0.56	±20	1V/100K	1.10	1.30	57	50	37	33.5	4.0
TMPA1265SP-R68MN-D	0.68	±20	1V/100K	1.25	1.50	55	46	36.5	33	4.0
TMPA1265SP-R82MN-D	0.82	±20	1V/100K	1.30	1.65	48	39	35	31	4.0
TMPA1265SP-1R0MN-D	1.00	±20	1V/100K	1.50	1.80	45	36	33	29	4.0
TMPA1265SP-1R2MN-D	1.20	±20	1V/100K	1.80	2.20	38	33	31	27	4.0
TMPA1265SP-1R5MN-D	1.50	±20	1V/100K	2.20	2.53	35	30	29	25	4.0
TMPA1265SP-1R8MN-D	1.80	±20	1V/100K	3.2	3.6	31	27	27	23	4.7
TMPA1265SP-2R2MN-D	2.20	±20	1V/100K	3.7	4.2	28.5	24	25	21	4.7
TMPA1265SP-2R4MN-D	2.40	±20	1V/100K	3.9	4.5	28	23.5	24.5	20.5	4.7
TMPA1265SP-2R7MN-D	2.70	±20	1V/100K	4.2	5.0	27.5	23	24	20	4.7
TMPA1265SP-3R3MN-D	3.30	±20	1V/100K	5.3	6.2	27	22.5	22	19	4.7

Note:

- 1.Heat Rated Current (I rms) will cause the coil temperature rise approximately ΔT of 40°C
2. Saturation Current (I sat) will cause L0 to drop approximately 30%.



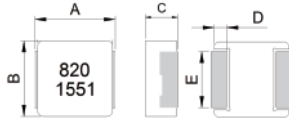
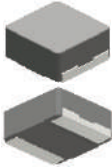
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.	E (mm) ±0.3
TMPA1265SP-4R7MN-D	4.70	±20	1V/100K	6.8	8.0	25	21	20	17	4.7
TMPA1265SP-5R6MN-D	5.60	±20	1V/100K	8.3	9.8	23	19.5	18	15	4.7
TMPA1265SP-6R0MN-D	6.00	±20	1V/100K	8.6	10.4	22	19	17	14.5	4.7
TMPA1265SP-6R8MN-D	6.80	±20	1V/100K	9.8	11.3	21	18	16.5	14	4.7
TMPA1265SP-8R2MN-D	8.20	±20	1V/100K	12	13.8	19	17	15	12.5	4.7
TMPA1265SP-100MN-D	10.0	±20	1V/100K	13	15.8	17	15	13	11	4.7
TMPA1265SP-150MN-D	15.0	±20	1V/100K	22	26	13.5	12	11	9.5	4.7
TMPA1265SP-220MN-D	22.0	±20	1V/100K	31	35	10.0	9.0	10.0	8.0	4.7
TMPA1265SP-270MN-D	27.0	±20	1V/100K	36	45	9.0	8.0	9.5	7.2	4.7
TMPA1265SP-330MN-D	33.0	±20	1V/100K	46	55	9.0	8.0	9.0	6.5	4.7
TMPA1265SP-470MN-D	47.0	±20	1V/100K	58	67	7.6	6.8	8.0	5.7	4.7
TMPA1265SP-680MN-D	68.0	±20	1V/100K	82	100	6.0	5.0	5.8	4.8	4.7
TMPA1265SP-820MN-D	82.0	±20	1V/100K	110	132	5.0	4.2	5.0	4.0	4.7
TMPA1265SP-101MN-D	100	±20	1V/100K	140	161	5.0	4.0	5.0	3.8	4.7

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ Dimensions



Dimensions	
A	17.8±0.50
B	16.9±0.30
C	6.70±0.30
D	2.30±0.30
E	11.9±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA1707SP-R47MN-D	0.47	±20	1V/100K	0.70	0.90	110	100	60	55
TMPA1707SP-R56MN-D	0.56	±20	1V/100K	0.81	0.97	80	70	56	50
TMPA1707SP-1R0MN-D	1.00	±20	1V/100K	1.06	1.30	50	45	46	42
TMPA1707SP-1R5MN-D	1.50	±20	1V/100K	1.50	1.80	46	40	39	35
TMPA1707SP-1R8MN-D	1.80	±20	1V/100K	1.70	2.00	40	34	35	32
TMPA1707SP-2R0MN-D	2.00	±20	1V/100K	1.75	2.10	37	33	33	31
TMPA1707SP-2R2MN-D	2.20	±20	1V/100K	1.80	2.20	35	32	32	30
TMPA1707SP-3R3MN-D	3.30	±20	1V/100K	2.70	3.30	32	29	30	28
TMPA1707SP-4R0MN-D	4.00	±20	1V/100K	3.50	4.30	30	27	29	27
TMPA1707SP-4R7MN-D	4.70	±20	1V/100K	3.70	4.50	29	26	28	26
TMPA1707SP-5R6MN-D	5.60	±20	1V/100K	5.00	6.00	27	23	26	23
TMPA1707SP-6R8MN-D	6.80	±20	1V/100K	6.00	7.20	25	22	24	22
TMPA1707SP-100MN-D	10.0	±20	1V/100K	9.20	10.60	22	19	21	19
TMPA1707SP-150MN-D	15.0	±20	1V/100K	12.80	15.50	16	14	16	14
TMPA1707SP-180MN-D	18.0	±20	1V/100K	16.50	20.00	14	12	14.5	12.5

Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA1707SP-220MN-D	22.0	±20	1V/100K	20.5	24.0	13.5	11.5	13.5	11.5
TMPA1707SP-330MN-D	33.0	±20	1V/100K	32.0	37.0	12.0	10.0	12.0	10.0
TMPA1707SP-470MN-D	47.0	±20	1V/100K	40.0	47.0	9.5	8.0	9.5	8.0
TMPA1707SP-680MN-D	68.0	±20	1V/100K	66.0	76.0	8.5	7.2	8.0	6.5
TMPA1707SP-820MN-D	82.0	±20	1V/100K	69.0	83.0	8.0	6.5	6.5	5.7
TMPA1707SP-101MN-D	100	±20	1V/100K	90.0	105	6.5	5.5	6.0	5.0

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40℃
- 2.Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Dimensions

Dimensions	
A	23.5±0.50
B	22.0±0.30
C	12.6±0.40
D	5.00±0.40
E	19.0±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA2313SP-1R5MN-D	1.50	±20	1V/100K	1.0	1.15	52	48	62	57
TMPA2313SP-2R0MN-D	2.00	±20	1V/100K	1.02	1.20	50	45	60	54
TMPA2313SP-2R2MN-D	2.20	±20	1V/100K	1.05	1.25	48	43	58	52
TMPA2313SP-3R0MN-D	3.00	±20	1V/100K	1.42	1.64	44	39	51	48
TMPA2313SP-3R3MN-D	3.30	±20	1V/100K	1.5	1.75	41	37	49	47
TMPA2313SP-4R7MN-D	4.70	±20	1V/100K	1.9	2.2	38	34	47	44
TMPA2313SP-6R8MN-D	6.80	±20	1V/100K	2.7	3.1	36	32	40	36
TMPA2313SP-8R2MN-D	8.20	±20	1V/100K	3.4	3.8	31	27	35	32
TMPA2313SP-100MN-D	10.0	±20	1V/100K	3.8	4.15	28	20	33	30
TMPA2313SP-150MN-D	15.0	±20	1V/100K	5.1	6.12	23	18	26	23
TMPA2313SP-220MN-D	22.0	±20	1V/100K	9.2	11	15	14	22	18
TMPA2313SP-230MN-D	23.0	±20	1V/100K	9.2	11	15	14	22	18
TMPA2313SP-330MN-D	33.0	±20	1V/100K	13.5	15.4	12	10.5	19	16
TMPA2313SP-470MN-D	47.0	±20	1V/100K	17.3	20.8	12	10	17	14

Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.



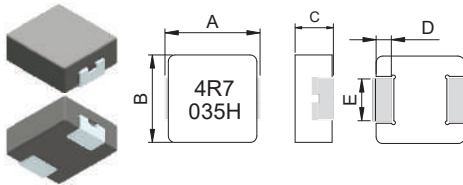
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMPA2313SP-680MN-D	68.0	±20	1V/100K	26.2	29.5	12.0	9.0	14	12
TMPA2313SP-750MN-D	75.0	±20	1V/100K	27.5	31.6	10.5	8.5	13	11
TMPA2313SP-820MN-D	82.0	±20	1V/100K	31	34.2	9.0	7.7	12	10
TMPA2313SP-101MN-D	100	±20	1V/100K	36	40	9.0	7.5	11	9.5

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.

■ Dimensions



Dimensions	
A	5.70±0.30
B	5.20±0.20
C	2.80±0.20
D	1.00±0.30
E	2.00±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMHC0503S-R10YN-D	0.10	±30	1V/100K	2.5	3.0	33	29	25.0	22.0
TMHC0503S-R12YN-D	0.12	±30	1V/100K	2.5	3.0	31	28	23.0	20.0
TMHC0503S-R15YN-D	0.15	±30	1V/100K	2.6	3.2	30	27	22.0	19.0
TMHC0503S-R33MN-D	0.33	±20	1V/100K	4.4	5.0	20	17	17.0	15.0
TMHC0503S-R47MN-D	0.47	±20	1V/100K	6.4	7.4	17	15	16.0	14.0
TMHC0503S-R68MN-D	0.68	±20	1V/100K	8.7	10	15	14	12.0	10.0
TMHC0503S-1R0MN-D	1.00	±20	1V/100K	12	14	12	11	10.0	9.0
TMHC0503S-1R5MN-D	1.50	±20	1V/100K	16	19	10.5	9.5	8.0	7.0
TMHC0503S-2R2MN-D	2.20	±20	1V/100K	26	32	8.0	7.0	7.0	6.0
TMHC0503S-3R3MN-D	3.30	±20	1V/100K	33	38	7.0	6.0	5.0	4.2
TMHC0503S-4R7MN-D	4.70	±20	1V/100K	50	53	6.0	5.0	4.0	3.5
TMHC0503S-5R6MN-D	5.60	±20	1V/100K	55	63	5.0	4.5	3.6	3.1
TMHC0503S-6R8MN-D	6.80	±20	1V/100K	63	72	4.0	3.5	3.3	2.8
TMHC0503S-100MN-D	10.0	±20	1V/100K	102	122	2.8	2.2	2.8	2.2

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Dimensions

Dimensions	
A	7.10±0.30
B	6.60±0.20
C	2.80±0.20
D	1.60±0.30
E	3.00±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMHC0603S-R10MN-D	0.10	±20	1V/100K	1.2	1.7	60.0	55.0	37.5	28.0
TMHC0603S-R15MN-D	0.15	±20	1V/100K	1.5	1.9	50.0	45.0	27.0	23.0
TMHC0603S-R22MN-D	0.22	±20	1V/100K	2.2	2.6	40.0	36.0	25.0	21.0
TMHC0603S-R24MN-D	0.24	±20	1V/100K	2.5	3.1	39.0	34.0	23.0	20.0
TMHC0603S-R25MN-D	0.25	±20	1V/100K	2.5	3.1	39.0	34.0	23.0	20.0
TMHC0603S-R33MN-D	0.33	±20	1V/100K	3.5	3.9	32.0	28.0	20.0	17.0
TMHC0603S-R36MN-D	0.36	±20	1V/100K	3.6	4.0	32.0	28.0	19.0	16.5
TMHC0603S-R47MN-D	0.47	±20	1V/100K	4.0	4.3	27.0	23.0	17.5	16.0
TMHC0603S-R68MN-D	0.68	±20	1V/100K	4.8	5.5	25.0	22.0	15.5	14.0
TMHC0603S-1R0MN-D	1.00	±20	1V/100K	8.3	10	22.0	19.0	11.0	10.0
TMHC0603S-1R5MN-D	1.50	±20	1V/100K	11	14	18.0	17.0	9.0	8.0
TMHC0603S-1R8MN-D	1.80	±20	1V/100K	13.0	16.0	16.0	15.0	8.5	7.5
TMHC0603S-2R2MN-D	2.20	±20	1V/100K	15	18	14.0	12.0	8.0	7.0
TMHC0603S-3R3MN-D	3.30	±20	1V/100K	27	30	13.5	11.5	6.0	5.3
TMHC0603S-4R7MN-D	4.70	±20	1V/100K	37	40	10.0	8.5	5.5	4.9
TMHC0603S-5R6MN-D	5.60	±20	1V/100K	42	48	8.5	7.5	5.0	4.5

Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMHC0603S-6R8MN-D	6.80	±20	1V/100K	54	60	8.3	7.0	4.5	4.0
TMHC0603S-8R2MN-D	8.20	±20	1V/100K	60	66	6.8	5.5	4.1	3.6
TMHC0603S-100MN-D	10.0	±20	1V/100K	63	68	6.0	5.0	3.5	3.1
TMHC0603S-150MN-D	15.0	±20	1V/100K	107	123	4.0	3.5	3.0	2.7
TMHC0603S-220MN-D	22.0	±20	1V/100K	155	180	3.6	3.2	2.2	1.9
TMHC0603S-330MN-D	33.0	±20	1V/100K	200	240	3.0	2.5	2.0	1.7

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40℃
- 2.Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Dimensions

Dimensions		
A	7.40±0.30	0.1~1.0uH
	7.10±0.30	1.5~10.0uH
B	6.60±0.20	
C	2.80±0.20	
D	1.60±0.30	
E	1.30±0.20	

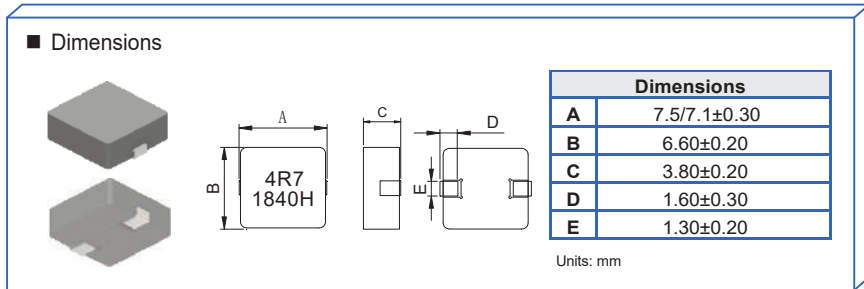
Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMHC0603LF-R10YN-D	0.10	±30	1V/100K	1.15	1.30	52	47	32	27
TMHC0603LF-R12YN-D	0.12	±30	1V/100K	1.15	1.30	52	47	32	27
TMHC0603LF-R22MN-D	0.22	±20	1V/100K	1.70	1.87	34	30	24	21
TMHC0603LF-R40MN-D	0.40	±20	1V/100K	2.40	2.64	29	26	20	18
TMHC0603LF-R56MN-D	0.56	±20	1V/100K	3.10	3.41	23	20	16	13
TMHC0603LF-R68MN-D	0.68	±20	1V/100K	3.70	4.10	20	18	15	12
TMHC0603LF-R82MN-D	0.82	±20	1V/100K	4.30	4.80	18	16	14	11
TMHC0603LF-1R0MN-D	1.00	±20	1V/100K	5.10	5.90	17	15	12	10
TMHC0603LF-1R5MN-D	1.50	±20	1V/100K	7.60	8.74	16	14	11	9
TMHC0603LF-2R2MN-D	2.20	±20	1V/100K	11.8	13.6	13	11	7	6
TMHC0603LF-3R3MN-D	3.30	±20	1V/100K	20.5	23.6	10	9.0	6.5	5.5
TMHC0603LF-4R7MN-D	4.70	±20	1V/100K	24.0	29.0	8.0	7.0	5.8	5.1
TMHC0603LF-5R6MN-D	5.60	±20	1V/100K	29.0	35.0	7.0	6.0	5.2	4.8
TMHC0603LF-6R8MN-D	6.80	±20	1V/100K	38.0	46.0	6.5	5.7	5.0	4.5
TMHC0603LF-8R2MN-D	8.20	±20	1V/100K	44.0	53.0	5.5	5.0	4.5	4.2

Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMHC0604LF-R15YN-D	0.15	±30	1V/100K	1.2	1.5	45	40	30	27
TMHC0604LF-R22MN-D	0.22	±20	1V/100K	1.5	1.9	40	35	27	24
TMHC0604LF-R47MN-D	0.47	±20	1V/100K	2.8	3.3	28	26	20	18
TMHC0604LF-R68MN-D	0.68	±20	1V/100K	3.4	3.9	23	21	17	15
TMHC0604LF-R82MN-D	0.82	±20	1V/100K	4.1	4.7	19	17	16	14
TMHC0604LF-1R0MN-D	1.00	±20	1V/100K	4.6	5.3	18	16.5	15	13
TMHC0604LF-1R1MN-D	1.10	±20	1V/100K	4.6	5.3	18	16.5	15	13
TMHC0604LF-1R2MN-D	1.20	±20	1V/100K	4.6	5.3	18	16.5	15	13
TMHC0604LF-1R3MN-D	1.30	±20	1V/100K	6.0	6.9	17	16	14	12
TMHC0604LF-1R5MN-D	1.50	±20	1V/100K	6.3	7.3	15	13	13	11.5
TMHC0604LF-2R2MN-D	2.20	±20	1V/100K	9.0	10.8	13	11	11.5	10.5
TMHC0604LF-3R3MN-D	3.30	±20	1V/100K	13.0	15.6	11	10	10.5	9.5
TMHC0604LF-4R7MN-D	4.70	±20	1V/100K	18.0	23.0	8.5	8.0	7.5	6.7
TMHC0604LF-5R6MN-D	5.60	±20	1V/100K	21.0	26.0	8.2	7.7	7.0	6.3

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



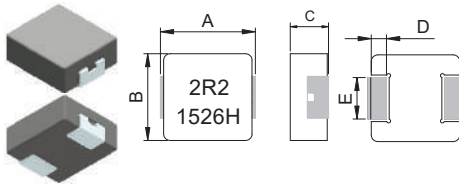
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMHC0604LF-6R8MN-D	6.80	±20	1V/100K	29.0	35.0	7.5	7.0	6.0	5.5
TMHC0604LF-100MN-D	10.0	±20	1V/100K	42.5	51.0	6.5	5.5	4.7	4.1
TMHC0604LF-150MN-D	15.0	±20	1V/100K	60.0	72.0	5.5	4.5	4.0	3.5

Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

■ Dimensions



Dimensions	
A	7.30±0.30
B	6.60±0.30
C	4.80±0.20
D	1.60±0.30
E	3.00±0.20

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMHC0605S-R10YN-D	0.10	±30	1V/100K	1.05	1.20	65	60	32	28
TMHC0605S-R15YN-D	0.15	±30	1V/100K	1.30	1.70	55	50	30	27
TMHC0605S-R22MN-D	0.22	±20	1V/100K	1.60	1.90	40	35	26	23
TMHC0605S-R33MN-D	0.33	±20	1V/100K	2.50	3.00	35	32	24	21
TMHC0605S-R47MN-D	0.47	±20	1V/100K	3.20	3.70	30	27	22	20
TMHC0605S-R68MN-D	0.68	±20	1V/100K	4.00	4.50	25	22	18	16
TMHC0605S-1R0MN-D	1.00	±20	1V/100K	5.60	6.20	18	15	16	14
TMHC0605S-1R5MN-D	1.50	±20	1V/100K	7.60	8.50	16	14	14	12
TMHC0605S-2R2MN-D	2.20	±20	1V/100K	11.2	12.0	13	11	13	11
TMHC0605S-3R3MN-D	3.30	±20	1V/100K	19.0	20.9	12	10	8.5	7.5
TMHC0605S-4R7MN-D	4.70	±20	1V/100K	26.5	30.0	9.5	8.0	8.0	6.5
TMHC0605S-6R8MN-D	6.80	±20	1V/100K	42.0	48.0	8.5	7.0	6.5	5.5
TMHC0605S-8R2MN-D	8.20	±20	1V/100K	49.0	56.0	7.5	6.5	6.0	5.0
TMHC0605S-100MN-D	10.0	±20	1V/100K	52.0	60.0	7.0	6.0	5.5	4.5

Note:

- Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Dimensions

Dimensions	
A	8.80±0.40
B	8.20±0.30
C	2.80±0.20
D	1.40±0.30
E	5.00±0.30

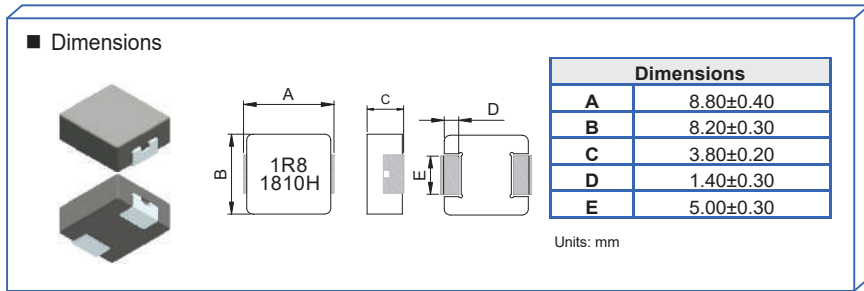
Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMHC0803SP-R22MN-D	0.22	±20	1V/100K	1.60	1.84	40	35	30	25
TMHC0803SP-R33MN-D	0.33	±20	1V/100K	2.20	2.53	32	28	28	24
TMHC0803SP-R47MN-D	0.47	±20	1V/100K	2.70	3.10	27	24	25	22
TMHC0803SP-R68MN-D	0.68	±20	1V/100K	3.90	4.50	22	20	22	19
TMHC0803SP-R82MN-D	0.82	±20	1V/100K	4.8	5.5	21	18	20	18
TMHC0803SP-1R0MN-D	1.0	±20	1V/100K	5.9	6.8	18	16	18	16
TMHC0803SP-1R5MN-D	1.5	±20	1V/100K	7.5	8.6	16.5	14.5	15.5	13.5
TMHC0803SP-2R2MN-D	2.2	±20	1V/100K	12.5	14.4	13.5	12.0	13.0	11.5
TMHC0803SP-3R3MN-D	3.3	±20	1V/100K	18.5	21.3	13.0	11.5	11.0	9.0
TMHC0803SP-4R7MN-D	4.7	±20	1V/100K	27.0	31	9.5	8.0	9.0	7.7
TMHC0803SP-5R6MN-D	5.6	±20	1V/100K	31	35.7	8.8	7.5	7.5	6.5
TMHC0803SP-6R8MN-D	6.8	±20	1V/100K	34	39.1	8.2	7.0	7.0	6.0
TMHC0803SP-8R2MN-D	8.2	±20	1V/100K	45	51.8	7.3	6.4	6.2	5.2
TMHC0803SP-100MN-D	10	±20	1V/100K	51	58.7	6.4	5.9	5.7	4.8
TMHC0803SP-150MN-D	15	±20	1V/100K	87	100	5.5	4.9	4.7	4.2

Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMHC0804SP-R22MN-D	0.22	±20	1V/100K	1.6	1.8	60	55	36	30
TMHC0804SP-R33MN-D	0.33	±20	1V/100K	2.0	2.4	45	40	30	25
TMHC0804SP-R47MN-D	0.47	±20	1V/100K	2.5	2.8	42	36	28	25
TMHC0804SP-R56MN-D	0.56	±20	1V/100K	2.8	3.2	26	23	24	22
TMHC0804SP-R68MN-D	0.68	±20	1V/100K	3.4	3.8	24	22	23	21
TMHC0804SP-R82MN-D	0.82	±20	1V/100K	4.0	4.4	21	19	21	19
TMHC0804SP-1R0MN-D	1.0	±20	1V/100K	4.2	4.6	19	17	19	17
TMHC0804SP-1R5MN-D	1.5	±20	1V/100K	6.9	7.6	17	15	17	15
TMHC0804SP-1R8MN-D	1.8	±20	1V/100K	9.2	11	15	13.5	15	12.5
TMHC0804SP-2R2MN-D	2.2	±20	1V/100K	10.3	11.4	14	12	14	12
TMHC0804SP-3R3MN-D	3.3	±20	1V/100K	13	15.0	12.5	11	12	10
TMHC0804SP-4R7MN-D	4.7	±20	1V/100K	23	26.5	11.5	10.5	9.5	8.5
TMHC0804SP-5R6MN-D	5.6	±20	1V/100K	25	30	11	10	9.0	8.0
TMHC0804SP-6R8MN-D	6.8	±20	1V/100K	32	36.8	9.0	8.0	8.0	7.0
TMHC0804SP-8R2MN-D	8.2	±20	1V/100K	40	46	8.7	7.7	7.0	6.0
TMHC0804SP-100MN-D	10	±20	1V/100K	51	59	8.0	7.0	6.5	5.5

Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.



■ Specifications


Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMHC0804SP-150MN-D	15	±20	1V/100K	61	71	5.5	4.9	5.4	4.8
TMHC0804SP-220MN-D	22	±20	1V/100K	98	113	5.0	4.5	4.8	4.2
TMHC0804SP-330MN-D	33	±20	1V/100K	135	156	3.5	3.3	3.5	3.0
TMHC0804SP-470MN-D	47	±20	1V/100K	195	225	3.1	2.9	2.9	2.5

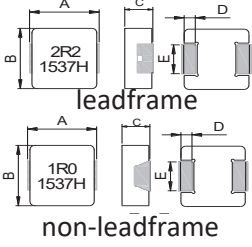
Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40℃
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



■ Dimensions





leadframe

non-leadframe

Dimensions	
A	11.0±0.30
B	10.0±0.30
C	3.80±0.20
D	2.00±0.30
E	2.50±0.30 0.60uH~0.88uH
	3.00±0.20 0.56uH and below 1.00uH and above

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMHC1004S-R10YN-D	0.10	±30	1V/100K	0.32	0.38	85.0	80.0	53.0	47.0
TMHC1004S-R15MN-D	0.15	±20	1V/100K	0.50	0.60	80.0	70.0	45.0	40.0
TMHC1004S-R20MN-D	0.20	±20	1V/100K	0.80	1.00	75.0	65.0	40.0	37.0
TMHC1004S-R22MN-D	0.22	±20	1V/100K	0.80	1.00	75.0	65.0	40.0	37.0
TMHC1004S-R30MN-D	0.30	±20	1V/100K	1.00	1.20	70.0	60.0	38.0	35.0
TMHC1004S-R33MN-D	0.33	±20	1V/100K	1.00	1.20	70.0	60.0	38.0	35.0
TMHC1004S-R36MN-D	0.36	±20	1V/100K	1.05	1.20	60.0	52.0	36.0	33.0
TMHC1004S-R47MN-D	0.47	±20	1V/100K	1.30	1.50	48.0	43.0	31.0	28.0
TMHC1004S-R56MN-D	0.56	±20	1V/100K	1.60	1.80	46.0	41.0	27.0	25.0
TMHC1004S-R68MN-D	0.68	±20	1V/100K	2.30	2.70	45.0	40.0	24.0	22.0
TMHC1004S-R88MN-D	0.88	±20	1V/100K	2.60	3.00	40.0	37.0	22.0	20.0
TMHC1004S-1R0MN-D	1.00	±20	1V/100K	3.50	4.00	39.0	36.0	20.0	18.0
TMHC1004S-1R5MN-D	1.50	±20	1V/100K	4.70	5.30	35.0	33.0	18.0	16.0
TMHC1004S-1R8MN-D	1.80	±20	1V/100K	5.30	6.40	29.0	26.0	17.0	15.0
TMHC1004S-2R2MN-D	2.20	±20	1V/100K	6.50	7.20	27.0	24.0	15.0	13.0

Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Specifications

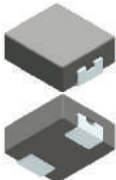
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ	DCR (mΩ) max	I sat (A) typ	I sat (A) max	I rms (A) typ	I rms (A) max
TMHC1004S-3R3MN-D	3.30	±20	1V/100K	10.8	11.8	22.0	19.0	14.0	11.0
TMHC1004S-4R7MN-D	4.70	±20	1V/100K	14.5	15.5	20.0	18.0	13.0	10.5
TMHC1004S-5R6MN-D	5.60	±20	1V/100K	18.0	19.3	16.0	14.0	12.0	10.0
TMHC1004S-6R8MN-D	6.80	±20	1V/100K	19.0	23.3	15.0	13.5	10.0	9.00
TMHC1004S-8R2MN-D	8.20	±20	1V/100K	20.0	22.5	13.5	12.5	9.00	8.00
TMHC1004S-100MN-D	10.0	±20	1V/100K	29.0	32.0	12.5	11.0	8.50	7.50
TMHC1004S-150MN-D	15.0	±20	1V/100K	40.0	45.0	10.0	8.00	6.30	6.00
TMHC1004S-220MN-D	22.0	±20	1V/100K	62.0	74.0	7.50	6.50	5.20	4.60
TMHC1004S-330MN-D	33.0	±20	1V/100K	94.0	112	6.00	5.00	4.00	3.50
TMHC1004S-470MN-D	47.0	±20	1V/100K	145	167	5.00	4.50	3.20	2.70
TMHC1004S-680MN-D	68.0	±20	1V/100K	205	240	3.50	3.00	2.40	2.00

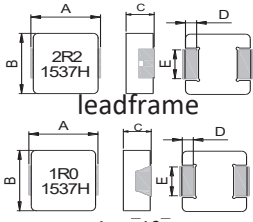
Note:

- 1.Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40℃
- 2.Saturation Current (I_{sat}) will cause L0 to drop approximately 30%.



■ Dimensions





leadframe

non-leadframe

Dimensions	
A	13.5±0.50
B	12.6±0.20
C	4.70±0.30
D	2.30±0.30
E	4.00±0.30 0.47uH~0.68uH
	4.70±0.30 0.36uH and below
	4.70±0.30 1.00uH and above

Units: mm

■ Specifications


Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMHC1205SP-R15YN-D	0.15	±30	1V/100K	0.36	0.41	100	90	55	50
TMHC1205SP-R22MN-D	0.22	±20	1V/100K	0.50	0.55	95	85	48	42
TMHC1205SP-R36MN-D	0.36	±20	1V/100K	0.75	0.83	80	70	41	37
TMHC1205SP-R47MN-D	0.47	±20	1V/100K	0.96	1.15	65	60	38	35
TMHC1205SP-R68MN-D	0.68	±20	1V/100K	1.40	1.60	54	50	32	28
TMHC1205SP-1R0MN-D	1.00	±20	1V/100K	2.00	2.40	50	46	30	26
TMHC1205SP-1R5MN-D	1.50	±20	1V/100K	3.00	3.50	48	44	27	23
TMHC1205SP-2R2MN-D	2.20	±20	1V/100K	4.30	5.00	40	35	25	22
TMHC1205SP-3R3MN-D	3.30	±20	1V/100K	7.30	8.40	32	28	20	16
TMHC1205SP-4R7MN-D	4.70	±20	1V/100K	11.4	15.0	27	24	14	12
TMHC1205SP-6R8MN-D	6.80	±20	1V/100K	14.5	16.7	23	20	12	10
TMHC1205SP-8R2MN-D	8.20	±20	1V/100K	18.6	21.5	20	18	11.5	9.5
TMHC1205SP-100MN-D	10.0	±20	1V/100K	21.4	25.5	17	15	11	9.0
TMHC1205SP-150MN-D	15.0	±20	1V/100K	32.6	38.0	13	11	9.0	8.0
TMHC1205SP-220MN-D	22.0	±20	1V/100K	50.0	58.0	11	10	7.5	6.5

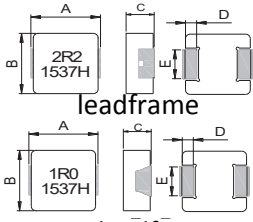
Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Dimensions





leadframe

non-leadframe

Dimensions	
A	13.5±0.50
B	12.6±0.20
C	6.20±0.30
D	2.30±0.30
E	4.00±0.30 0.82~1.50uH among
	4.70±0.30 0.68uH and below 2.20uH and above

Units: mm

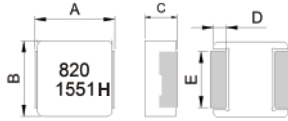
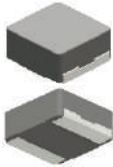
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMHC1265SP-R22MN-D	0.22	±20	1V/100K	0.47	0.60	105.0	95.0	55.0	50.0
TMHC1265SP-R33MN-D	0.33	±20	1V/100K	0.65	0.80	70.0	64.0	50.0	45.0
TMHC1265SP-R47MN-D	0.47	±20	1V/100K	0.90	1.20	66.0	62.0	45.0	41.0
TMHC1265SP-R68MN-D	0.68	±20	1V/100K	1.25	1.50	58.0	54.0	41.0	37.0
TMHC1265SP-R82MN-D	0.82	±20	1V/100K	1.50	1.90	52.0	48.0	37.0	32.0
TMHC1265SP-1R0MN-D	1.00	±20	1V/100K	1.70	2.30	50.0	46.0	35.0	30.0
TMHC1265SP-1R5MN-D	1.50	±20	1V/100K	2.30	2.80	45.0	40.0	31.0	27.0
TMHC1265SP-2R2MN-D	2.20	±20	1V/100K	4.20	4.80	40.0	37.0	25.0	22.0
TMHC1265SP-3R3MN-D	3.30	±20	1V/100K	5.70	6.80	35.0	31.0	22.0	18.0
TMHC1265SP-4R7MN-D	4.70	±20	1V/100K	8.30	9.50	31.0	28.0	20.0	16.0
TMHC1265SP-5R6MN-D	5.60	±20	1V/100K	10.7	12.2	27.0	14.0	17.0	14.5
TMHC1265SP-6R8MN-D	6.80	±20	1V/100K	11.5	13.2	25.0	22.0	15.0	13.0
TMHC1265SP-8R2MN-D	8.20	±20	1V/100K	13.0	15.5	22.0	19.0	13.0	11.0
TMHC1265SP-100MN-D	10.0	±20	1V/100K	15.6	18.0	20.0	17.0	12.0	10.0
TMHC1265SP-150MN-D	15.0	±20	1V/100K	23.2	28.0	13.5	12.5	11.0	9.0
TMHC1265SP-220MN-D	22.0	±20	1V/100K	32.5	37.0	12.0	10.0	10.0	8.0
TMHC1265SP-330MN-D	33.0	±20	1V/100K	46.0	56.0	9.0	7.5	8.0	6.5
TMHC1265SP-560MN-D	56.0	±20	1V/100K	91	108	8.0	7.0	6.0	5.0

Note:

1. Heat Rated Current (I_{rms}) will cause the coil temperature rise approximately ΔT of 40°C
2. Saturation Current (I_{sat}) will cause L₀ to drop approximately 30%.

■ Dimensions



Dimensions	
A	17.8±0.50
B	16.9±0.30
C	6.70±0.30
D	2.30±0.30
E	11.9±0.30

Units: mm

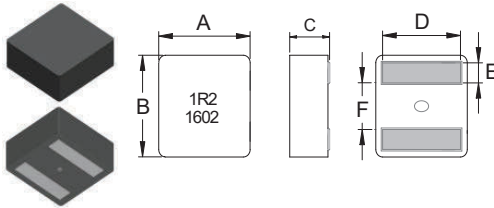
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) typ.	I rms (A) max.
TMHC1707SP-R47MN-D	0.47	±20	1V/100K	0.75	0.83	115	100	60	55
TMHC1707SP-1R0MN-D	1.00	±20	1V/100K	1.30	1.50	68	60	48	43
TMHC1707SP-1R5MN-D	1.50	±20	1V/100K	1.80	2.10	55	48	42	37
TMHC1707SP-2R2MN-D	2.20	±20	1V/100K	2.50	2.80	45	40	40	35
TMHC1707SP-3R3MN-D	3.30	±20	1V/100K	3.50	3.90	40	35	28	25
TMHC1707SP-4R7MN-D	4.70	±20	1V/100K	4.80	5.50	37	32	26	23
TMHC1707SP-5R6MN-D	5.60	±20	1V/100K	5.90	6.80	35	31	24	21
TMHC1707SP-6R8MN-D	6.80	±20	1V/100K	8.40	9.20	30	25	22	18
TMHC1707SP-8R2MN-D	8.20	±20	1V/100K	9.60	10.8	28	24	18	15
TMHC1707SP-100MN-D	10.0	±20	1V/100K	11.6	13.0	25	21	17	14
TMHC1707SP-150MN-D	15.0	±20	1V/100K	16.5	19.5	23	20	14	12.5
TMHC1707SP-180MN-D	18.0	±20	1V/100K	20.0	24.0	21	18	13	11
TMHC1707SP-220MN-D	22.0	±20	1V/100K	24.0	27.6	19	17	12	10
TMHC1707SP-270MN-D	27.0	±20	1V/100K	31.0	36.0	17	15	11.3	9.5
TMHC1707SP-330MN-D	33.0	±20	1V/100K	36.0	42.0	15	13	10.7	9.0
TMHC1707SP-470MN-D	47.0	±20	1V/100K	46.0	53.0	13	11	8.7	7.0

Note:

- 1.Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
- 2.Saturation Current (Isat) will cause L0 to drop approximately 30%.

■ Dimensions



Dimensions	
A	4.40±0.20
B	4.40±0.20
C	1.90±0.20
D	3.40±0.30
E	0.88±0.20
F	1.60±0.25

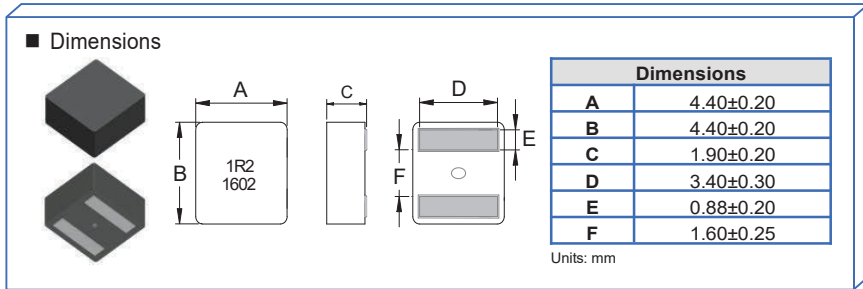
Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) 20°C rise	I rms (A) 40°C rise
TMPF0402LR-R47MN-ABD	0.47	±20	0.1V/100K	6.00	6.80	14.0	12.5	9.8	13.2
TMPF0402LR-R56MN-ABD	0.56	±20	0.1V/100K	6.90	7.80	13.0	11.3	9.5	12.6
TMPF0402LR-R60MN-ABD	0.60	±20	0.1V/100K	6.90	7.80	12.8	11.1	9.4	12.4
TMPF0402LR-R68MN-ABD	0.68	±20	0.1V/100K	7.30	8.20	11.6	10.0	9.2	12.0
TMPF0402LR-R82MN-ABD	0.82	±20	0.1V/100K	8.60	9.50	10.2	9.0	8.5	11.5
TMPF0402LR-1R0MN-ABD	1.00	±20	0.1V/100K	10.60	11.70	9.2	8.0	8.0	11.0
TMPF0402LR-1R2MN-ABD	1.20	±20	0.1V/100K	12.20	13.40	8.6	7.5	7.2	9.5
TMPF0402LR-1R5MN-ABD	1.50	±20	0.1V/100K	14.40	15.80	7.5	6.7	6.7	9.1
TMPF0402LR-2R0MN-ABD	2.00	±20	0.1V/100K	21.15	23.30	6.2	5.0	6.2	8.2
TMPF0402LR-2R2MN-ABD	2.20	±20	0.1V/100K	21.35	23.50	6.0	4.8	6.0	8.0
TMPF0402LR-3R3MN-ABD	3.30	±20	0.1V/100K	34.20	38.30	5.3	4.4	4.4	5.5

Note:

1. Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) 20°C rise	I rms (A) 40°C rise
TMPF0402A-R10MN-ABD	0.10	±20	0.1V/100K	2.20	2.42	38.0	33.0	13.5	18.0
TMPF0402A-R22MN-ABD	0.22	±20	0.1V/100K	4.10	4.60	19.5	18.8	13.0	16.8
TMPF0402A-R33MN-ABD	0.33	±20	0.1V/100K	5.00	5.50	18.0	16.5	12.0	15.5
TMPF0402A-R36MN-ABD	0.36	±20	0.1V/100K	5.60	6.30	17.0	15.0	11.0	14.5
TMPF0402A-R40MN-ABD	0.40	±20	0.1V/100K	6.90	7.73	15.5	13.5	10.0	14.0
TMPF0402A-R47MN-ABD	0.47	±20	0.1V/100K	7.80	8.58	14.5	13.0	9.0	12.5
TMPF0402A-R56MN-ABD	0.56	±20	0.1V/100K	8.40	9.30	14.0	12.6	8.5	12.0
TMPF0402A-R60MN-ABD	0.60	±20	0.1V/100K	8.60	9.52	13.7	12.3	8.0	11.7
TMPF0402A-R72MN-ABD	0.72	±20	0.1V/100K	10.40	11.60	12.0	10.6	7.6	10.5
TMPF0402A-1R0MN-ABD	1.00	±20	0.1V/100K	13.30	14.60	9.6	8.8	6.8	9.6
TMPF0402A-1R2MN-ABD	1.20	±20	0.1V/100K	16.20	17.90	9.0	7.8	6.6	9.0
TMPF0402A-1R5MN-ABD	1.50	±20	0.1V/100K	21.00	23.50	8.0	7.4	5.8	7.6
TMPF0402A-1R8MN-ABD	1.80	±20	0.1V/100K	25.00	28.00	7.5	7.0	5.2	7.0

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Dimensions

1R2
1602

Dimensions	
A	4.40±0.20
B	4.40±0.20
C	2.80±0.20
D	3.40±0.30
E	0.88±0.20
F	1.60±0.25

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) 20°C rise	I rms (A) 40°C rise
TMPF0403LR-R90MN-ABD	0.90	±20	0.1V/100K	9.1	10.1	10.0	9.0	8.2	11.2
TMPF0403LR-1R0MN-ABD	1.00	±20	0.1V/100K	9.1	10.1	9.8	9.2	8.0	11.0
TMPF0403LR-1R2MN-ABD	1.20	±20	0.1V/100K	10.4	11.5	9.2	8.7	7.8	9.8
TMPF0403LR-1R5MN-ABD	1.50	±20	0.1V/100K	12.0	13.2	8.0	7.0	7.0	9.0
TMPF0403LR-1R8MN-ABD	1.80	±20	0.1V/100K	17.4	19.2	7.5	6.6	6.5	8.2
TMPF0403LR-2R2MN-ABD	2.20	±20	0.1V/100K	20.5	22.6	7.0	6.1	6.0	7.8
TMPF0403LR-3R3MN-ABD	3.30	±20	0.1V/100K	26.0	28.6	6.2	5.3	5.0	6.6

Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Dimensions

Dimensions	
A	6.00±0.20
B	5.70±0.20
C	1.90±0.20
D	4.30±0.30
E	1.10±0.20
F	2.30±0.25

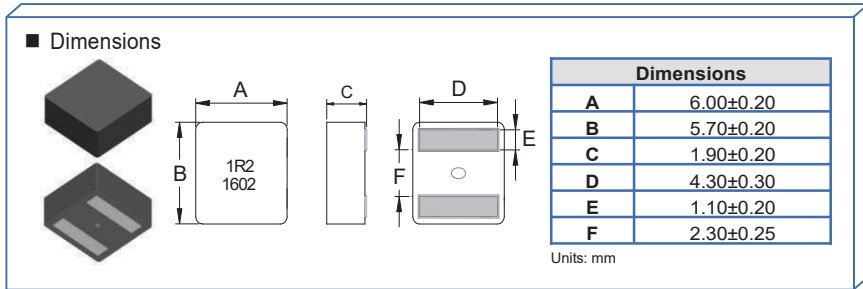
Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) 20°C rise	I rms (A) 40°C rise
TMPF0502A-R15MN-ABD	0.15	±20	0.1V/100K	4.00	4.60	30.0	27.0	13.9	18.8
TMPF0502A-R16MN-ABD	0.16	±20	0.1V/100K	4.00	4.60	30.0	27.0	13.9	18.8
TMPF0502A-R33MN-ABD	0.33	±20	0.1V/100K	6.10	7.00	26.0	24.0	10.5	14.4
TMPF0502A-R47MN-ABD	0.47	±20	0.1V/100K	7.00	8.05	22.0	20.0	10.1	14.1
TMPF0502A-R56MN-ABD	0.56	±20	0.1V/100K	8.70	9.54	19.0	16.0	9.9	13.9
TMPF0502A-R68MN-ABD	0.68	±20	0.1V/100K	8.90	10.20	16.0	14.0	9.6	13.4
TMPF0502A-R80MN-ABD	0.80	±20	0.1V/100K	10.30	11.80	15.5	13.5	9.4	13.0
TMPF0502A-R82MN-ABD	0.82	±20	0.1V/100K	11.00	12.70	15.0	13.0	8.5	12.0
TMPF0502A-1R0MN-ABD	1.00	±20	0.1V/100K	12.00	13.80	14.5	12.8	7.5	10.5
TMPF0502A-1R2MN-ABD	1.20	±20	0.1V/100K	14.20	16.30	14.0	12.2	6.8	9.40
TMPF0502A-1R5MN-ABD	1.50	±20	0.1V/100K	16.20	18.70	13.3	11.7	6.4	8.80

Note:

1. Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Specifications

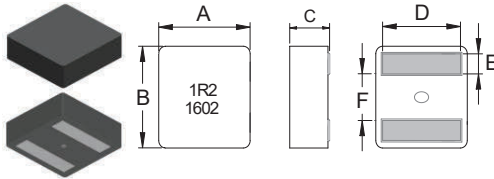
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) 20°C rise	I rms (A) 40°C rise
TMPF0503A-R15MN-ABD	0.15	±20	0.1V/100K	2.10	2.31	36.0	32.5	14.3	22.2
TMPF0503A-R16MN-ABD	0.16	±20	0.1V/100K	2.12	2.33	35.0	32.0	14.2	22.2
TMPF0503A-R28MN-ABD	0.28	±20	0.1V/100K	3.00	3.30	32.0	28.0	14.0	19.0
TMPF0503A-R33MN-ABD	0.33	±20	0.1V/100K	3.20	3.52	28.0	26.0	13.8	19.2
TMPF0503A-R47MN-ABD	0.47	±20	0.1V/100K	3.75	4.13	26.0	24.0	13.7	18.4
TMPF0503A-R56MN-ABD	0.56	±20	0.1V/100K	4.05	4.52	22.2	20.2	13.6	17.7
TMPF0503A-R60MN-ABD	0.60	±20	0.1V/100K	4.11	4.52	22.0	20.0	13.6	17.7
TMPF0503A-R80MN-ABD	0.80	±20	0.1V/100K	5.14	5.65	20.0	18.0	10.1	13.1
TMPF0503A-R82MN-ABD	0.82	±20	0.1V/100K	5.25	5.78	19.7	17.6	9.9	12.9
TMPF0503A-1R0MN-ABD	1.00	±20	0.1V/100K	6.90	7.60	16.5	14.3	9.0	12.2
TMPF0503A-1R2MN-ABD	1.20	±20	0.1V/100K	8.80	9.70	15.0	13.5	8.5	11.0
TMPF0503A-1R5MN-ABD	1.50	±20	0.1V/100K	10.10	11.20	14.0	12.5	8.0	10.5
TMPF0503A-1R8MN-ABD	1.80	±20	0.1V/100K	11.50	12.70	12.3	11.3	7.6	10.1
TMPF0503A-2R2MN-ABD	2.20	±20	0.1V/100K	13.20	14.50	10.0	9.0	7.2	9.70
TMPF0503A-3R3MN-ABD	3.30	±20	0.1V/100K	21.00	23.10	9.5	8.7	5.9	8.10
TMPF0503A-3R6MN-ABD	3.60	±20	0.1V/100K	25.00	27.50	9.0	7.9	4.6	6.5
TMPF0503A-4R7MN-ABD	4.70	±20	0.1V/100K	33.00	36.30	8.2	7.0	4.3	5.9

Note:

1. Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Dimensions



Dimensions	
A	6.00±0.20
B	5.70±0.20
C	4.80±0.20
D	4.30±0.30
E	1.10±0.20
F	2.30±0.25

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) 20°C rise	I rms (A) 40°C rise
TMPF0505LR-4R7MN-ABD	4.70	±20	0.1V/100K	19.0	21.0	8.80	7.40	5.90	8.10
TMPF0505LR-5R6MN-ABD	5.60	±20	0.1V/100K	22.0	24.2	8.60	7.20	5.30	7.20
TMPF0505LR-6R8MN-ABD	6.80	±20	0.1V/100K	26.0	28.6	7.80	6.60	4.80	6.40
TMPF0505LR-8R2MN-ABD	8.20	±20	0.1V/100K	29.5	32.5	7.20	6.10	4.60	6.10

Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Dimensions

Dimensions	
A	7.20±0.20
B	6.90±0.20
C	(2.80~2.90)±0.20
D	(5.00~5.55)±0.30
E	1.40±0.20
F	2.60±0.25

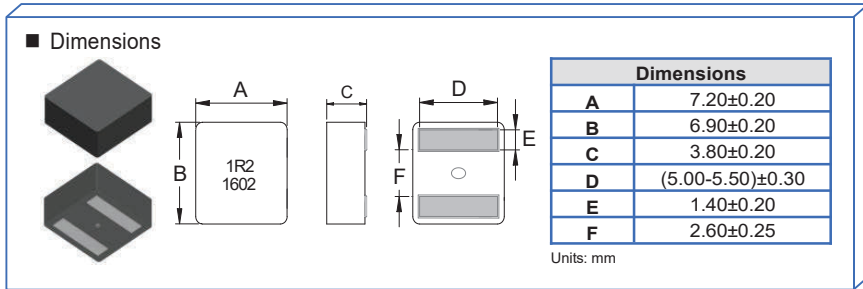
Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) 20°C rise	I rms (A) 40°C rise
TMPF0603A-R18MN-ABD	0.18	±20	0.1V/100K	1.60	1.75	40.0	36.0	24.0	32.0
TMPF0603A-R33MN-ABD	0.33	±20	0.1V/100K	2.25	2.50	32.0	28.0	20.0	25.0
TMPF0603A-R56MN-ABD	0.56	±20	0.1V/100K	3.00	3.31	29.0	25.0	17.0	22.0
TMPF0603A-R68MN-ABD	0.68	±20	0.1V/100K	4.70	5.17	25.0	21.0	15.0	20.0
TMPF0603A-1R0MN-ABD	1.00	±20	0.1V/100K	5.50	6.05	23.0	18.0	13.0	18.0
TMPF0603A-1R2MN-ABD	1.20	±20	0.1V/100K	6.70	7.40	22.0	16.0	12.0	16.0
TMPF0603A-1R5MN-ABD	1.50	±20	0.1V/100K	8.30	9.13	20.0	15.5	11.0	15.0
TMPF0603A-1R8MN-ABD	1.80	±20	0.1V/100K	9.20	10.20	18.2	13.0	10.0	14.0
TMPF0603A-2R2MN-ABD	2.20	±20	0.1V/100K	11.00	12.20	15.9	11.0	7.0	10.0
TMPF0603A-3R3MN-ABD	3.30	±20	0.1V/100K	18.80	20.80	12.2	9.0	6.0	8.0
TMPF0603A-4R5MN-ABD	4.50	±20	0.1V/100K	23.00	25.30	10.0	8.0	5.0	7.0
TMPF0603A-4R7MN-ABD	4.70	±20	0.1V/100K	26.50	29.20	9.0	7.0	4.0	6.0

Note:

1. Saturation Current (Isat) will cause L0 to drop approximately 30%.

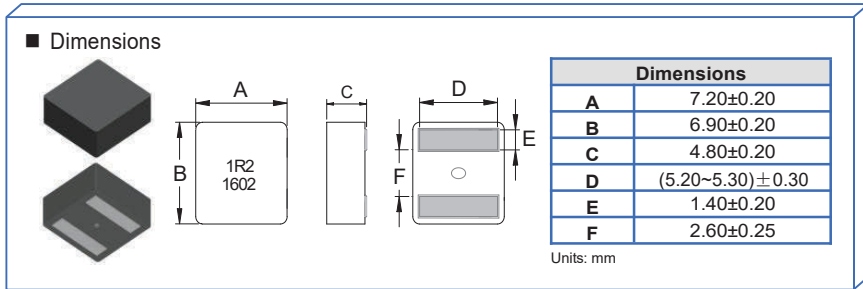


■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) 20°C rise	I rms (A) 40°C rise
TMPF0604A-R47MN-ABD	0.47	±20	0.1V/100K	2.60	2.86	31.0	27.0	19.0	24.0
TMPF0604A-R68MN-ABD	0.68	±20	0.1V/100K	3.60	3.96	26.0	22.0	16.0	20.5
TMPF0604A-1R0MN-ABD	1.0	±20	0.1V/100K	4.90	5.39	23.0	18.0	14.0	19.0
TMPF0604A-1R5MN-ABD	1.5	±20	0.1V/100K	6.40	7.04	17.0	13.0	12.0	16.0
TMPF0604A-2R2MN-ABD	2.2	±20	0.1V/100K	10.60	11.70	15.9	11.5	8.0	11.0
TMPF0604A-3R3MN-ABD	3.3	±20	0.1V/100K	14.10	15.50	12.3	9.6	7.0	9.2
TMPF0604A-4R7MN-ABD	4.7	±20	0.1V/100K	21.00	23.10	10.2	8.0	6.0	7.8
TMPF0604A-5R6MN-ABD	5.6	±20	0.1V/100K	25.50	28.10	9.8	7.8	5.0	6.7

Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

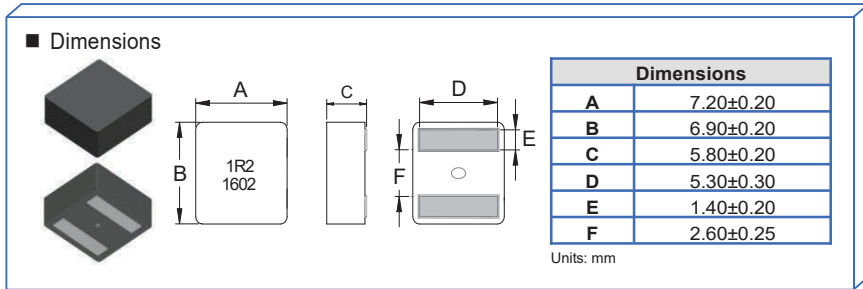


■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) 20°C rise	I rms (A) 40°C rise
TMPF0605A-R82MN-ABD	0.82	±20	0.1V/100K	3.80	4.18	24.0	20.0	16.0	21.0
TMPF0605A-1R0MN-ABD	1.00	±20	0.1V/100K	4.10	4.52	23.0	18.0	15.0	20.0
TMPF0605A-1R2MN-ABD	1.20	±20	0.1V/100K	5.30	5.83	22.0	16.0	14.0	18.0
TMPF0605A-1R5MN-ABD	1.50	±20	0.1V/100K	5.70	6.30	19.5	14.5	13.0	17.0
TMPF0605A-1R8MN-ABD	1.80	±20	0.1V/100K	6.40	7.10	18.5	13.5	12.0	16.0
TMPF0605A-2R2MN-ABD	2.20	±20	0.1V/100K	7.70	8.50	16.0	12.0	10.0	13.0
TMPF0605A-3R3MN-ABD	3.30	±20	0.1V/100K	11.20	12.50	12.5	10.0	8.5	11.0
TMPF0605A-4R3MN-ABD	4.30	±20	0.1V/100K	15.10	16.20	11.0	8.5	7.0	9.0
TMPF0605A-4R7MN-ABD	4.70	±20	0.1V/100K	16.70	18.40	10.5	8.4	6.5	8.5

Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 30%.



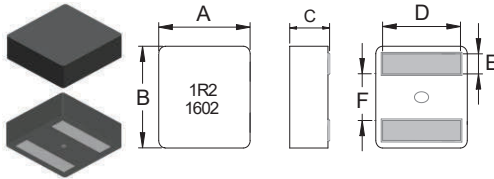
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) 20°C rise	I rms (A) 40°C rise
TMPF0606LR-4R7MN-ABD	4.70	±20	0.1V/100K	13.1	14.4	10.5	9.5	8.0	11.0
TMPF0606LR-5R6MN-ABD	5.60	±20	0.1V/100K	14.3	15.8	10.0	9.0	7.5	10.0
TMPF0606LR-6R8MN-ABD	6.80	±20	0.1V/100K	18.9	20.8	9.2	8.7	7.0	9.0
TMPF0606LR-8R2MN-ABD	8.20	±20	0.1V/100K	22.5	24.8	8.5	8.0	6.0	8.0

Note:

- 1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

■ Dimensions



Dimensions	
A	8.40±0.30
B	8.00±0.30
C	1.85±0.20
D	6.20±0.30
E	1.75±0.20
F	3.15±0.25

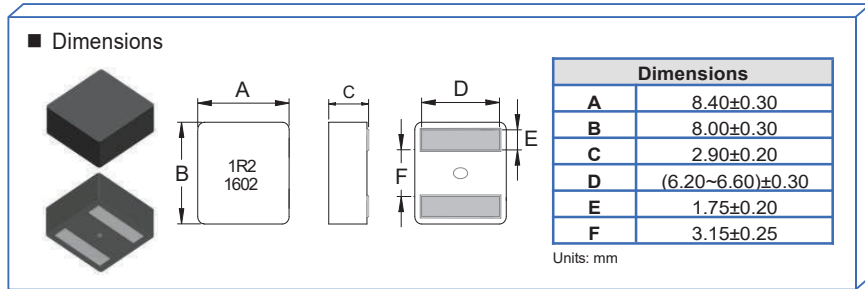
Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) 20°C rise	I rms (A) 40°C rise
TMPF0702A-R33MN-ABD	0.33	±20	0.1V/100K	4.0	4.8	34.0	31.0	13.0	19.0
TMPF0702A-R47MN-ABD	0.47	±20	0.1V/100K	5.1	6.2	28.0	25.0	12.0	17.0
TMPF0702A-R68MN-ABD	0.68	±20	0.1V/100K	7.9	9.2	25.0	23.0	10.0	13.0
TMPF0702A-1R0MN-ABD	1.00	±20	0.1V/100K	9.8	10.8	23.0	20.0	8.0	11.0
TMPF0702A-1R2MN-ABD	1.20	±20	0.1V/100K	11.5	12.8	21.0	18.0	7.0	10.0
TMPF0702A-1R5MN-ABD	1.50	±20	0.1V/100K	16.0	17.6	17.0	15.0	6.0	9.0
TMPF0702A-1R8MN-ABD	1.80	±20	0.1V/100K	18.0	19.8	15.0	13.0	5.5	8.0

Note:

1. Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) 20°C rise	I rms (A) 40°C rise
TMPF0703A-1R0MN-ABD	1.00	±20	0.1V/100K	4.55	5.00	30.0	28.0	16.1	21.8
TMPF0703A-1R5MN-ABD	1.50	±20	0.1V/100K	7.50	8.25	25.0	23.5	12.0	15.3
TMPF0703A-2R2MN-ABD	2.20	±20	0.1V/100K	12.40	13.70	19.0	17.0	10.0	13.0
TMPF0703A-2R7MN-ABD	2.70	±20	0.1V/100K	14.00	15.40	16.0	13.5	9.2	11.4
TMPF0703A-3R3MN-ABD	3.30	±20	0.1V/100K	16.30	18.00	15.0	13.0	8.0	10.0
TMPF0703A-4R7MN-ABD	4.70	±20	0.1V/100K	24.20	26.70	13.5	12.2	6.9	9.0
TMPF0703A-5R6MN-ABD	5.60	±20	0.1V/100K	30.10	33.20	12.5	11.5	5.3	7.3
TMPF0703A-6R8MN-ABD	6.80	±20	0.1V/100K	38.60	42.50	12.0	11.0	4.5	6.8
TMPF0703A-8R2MN-ABD	8.20	±20	0.1V/100K	44.30	48.73	10.2	9.0	3.0	5.9

Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Dimensions

Dimensions	
A	8.40±0.30
B	8.00±0.30
C	4.80±0.20
D	6.20±0.30
E	1.75±0.20
F	3.15±0.25

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) 20℃ rise	I rms (A) 40℃ rise
TMPF0705A-2R2MN-ABD	2.20	±20	0.1V/100K	5.80	6.40	21.0	17.0	11.0	14.0
TMPF0705A-3R3MN-ABD	3.30	±20	0.1V/100K	10.40	11.44	17.0	14.0	10.0	13.0
TMPF0705A-4R7MN-ABD	4.70	±20	0.1V/100K	14.00	15.40	15.0	13.0	8.5	11.0
TMPF0705A-5R6MN-ABD	5.60	±20	0.1V/100K	15.60	17.20	13.0	11.0	7.0	10.0

Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Dimensions

Dimensions	
A	8.40±0.30
B	8.00±0.30
C	6.70±0.30
D	(6.50~6.70)±0.30
E	1.75±0.20
F	3.15±0.25

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) 20°C rise	I rms (A) 40°C rise
TMPF0707A-2R2MN-ABD	2.20	±20	0.1V/100K	5.73	6.33	19.6	17.6	13.2	17.8
TMPF0707A-3R3MN-ABD	3.30	±20	0.1V/100K	8.56	9.42	19.4	15.1	11.5	15.1
TMPF0707A-4R7MN-ABD	4.70	±20	0.1V/100K	12.20	13.50	15.5	14.0	10.5	13.6
TMPF0707A-5R6MN-ABD	5.60	±20	0.1V/100K	13.67	15.03	14.1	12.0	8.5	11.4
TMPF0707A-6R8MN-ABD	6.80	±20	0.1V/100K	17.80	19.60	12.8	11.0	7.0	9.5

Note:

1. Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Dimensions

Dimensions	
A	8.90±0.30
B	8.50±0.30
C	7.70±0.20
D	(6.90~7.20)±0.40
E	1.80±0.20
F	3.50±0.30

Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) 20°C rise.	I rms (A) 40°C rise.
TMPF0808A-1R8MN-ABD	1.80	±20	0.1V/100K	3.6	4.0	28.0	24.0	18.0	24.0
TMPF0808A-2R2MN-ABD	2.20	±20	0.1V/100K	3.9	4.3	25.0	22.0	16.0	21.5
TMPF0808A-3R3MN-ABD	3.30	±20	0.1V/100K	6.6	7.3	23.0	20.0	13.5	18.0
TMPF0808A-4R7MN-ABD	4.70	±20	0.1V/100K	8.9	9.8	19.0	17.0	10.5	14.6
TMPF0808A-6R8MN-ABD	6.80	±20	0.1V/100K	13.0	14.3	14.5	12.5	8.0	11.3
TMPF0808A-100MN-ABD	10.0	±20	0.1V/100K	20.8	22.9	11.0	10.0	6.6	8.7

Note:

1. Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Dimensions

Dimensions	
A	11.90±0.30
B	11.00±0.30
C	5.70±0.20
D	(8.80~9.50)±0.50
E	2.40±0.20
F	4.50±0.30

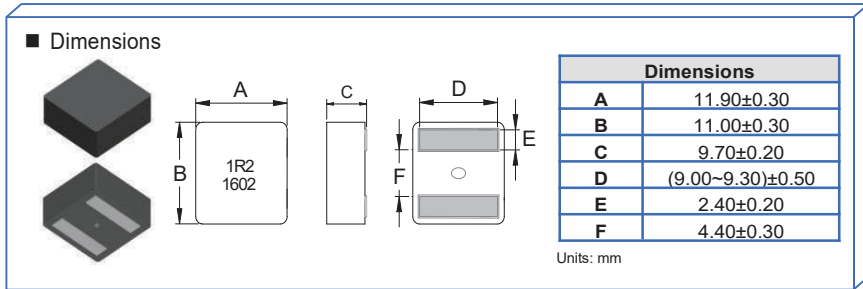
Units: mm

■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) 20°C rise.	I rms (A) 40°C rise.
TMPF1006A-R68MN-ABD	0.68	±20	0.1V/100K	1.25	1.50	55.0	50.0	22.5	34.0
TMPF1006A-1R0MN-ABD	1.00	±20	0.1V/100K	2.00	2.32	48.0	44.0	20.0	28.5
TMPF1006A-1R2MN-ABD	1.20	±20	0.1V/100K	2.40	2.64	45.0	40.0	18.0	26.5
TMPF1006A-1R5MN-ABD	1.50	±20	0.1V/100K	2.90	3.30	40.0	36.0	16.0	24.5
TMPF1006A-2R2MN-ABD	2.20	±20	0.1V/100K	4.40	4.84	35.0	30.0	14.0	20.0
TMPF1006A-3R3MN-ABD	3.30	±20	0.1V/100K	7.00	7.70	28.0	25.0	11.4	16.8
TMPF1006A-4R7MN-ABD	4.70	±20	0.1V/100K	9.70	10.72	25.0	22.0	8.7	14.0
TMPF1006A-5R6MN-ABD	5.60	±20	0.1V/100K	10.80	11.90	20.0	17.0	7.0	12.0
TMPF1006A-6R8MN-ABD	6.80	±20	0.1V/100K	11.80	13.00	18.0	15.5	6.0	10.5
TMPF1006A-8R2MN-ABD	8.20	±20	0.1V/100K	15.00	16.50	16.5	14.0	5.0	9.5
TMPF1006A-100MN-ABD	10.00	±20	0.1V/100K	16.50	18.20	15.0	13.0	4.5	9.0

Note:

- Saturation Current (Isat) will cause L0 to drop approximately 30%.

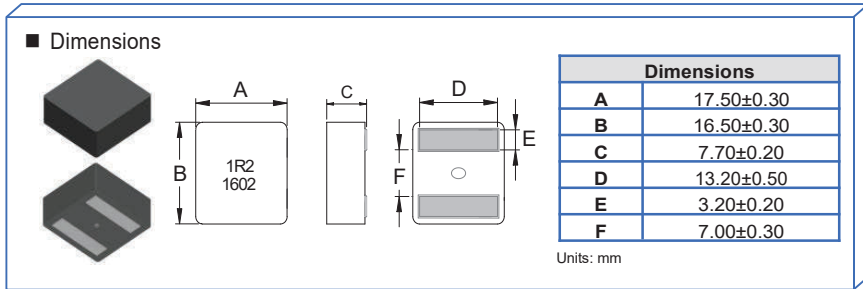


■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) 20°C rise.	I rms (A) 40°C rise.
TMPF1010A-2R2MN-ABD	2.20	±20	0.1V/100K	2.50	2.80	34.0	29.0	24.5	32.0
TMPF1010A-3R3MN-ABD	3.30	±20	0.1V/100K	3.70	4.10	27.4	23.4	18.2	25.0
TMPF1010A-4R7MN-ABD	4.70	±20	0.1V/100K	5.20	5.70	25.4	21.4	17.5	24.0
TMPF1010A-5R6MN-ABD	5.60	±20	0.1V/100K	6.50	7.20	23.6	19.6	15.7	21.2
TMPF1010A-6R8MN-ABD	6.80	±20	0.1V/100K	8.10	8.90	21.8	18.5	14.0	18.5
TMPF1010A-8R2MN-ABD	8.20	±20	0.1V/100K	10.80	12.40	18.3	16.3	12.9	17.1
TMPF1010A-100MN-ABD	10.00	±20	0.1V/100K	12.50	13.75	17.5	14.6	11.5	15.5
TMPF1010A-150MN-ABD	15.00	±20	0.1V/100K	17.50	19.30	15.5	12.5	9.9	13.8

Note:

1. Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) 20°C rise.	I rms (A) 40°C rise.
TMPF1508A-R40MN-ABD	0.40	±20	0.1V/100K	0.55	0.66	111.0	101.0	47.0	60.0
TMPF1508A-R74MN-ABD	0.74	±20	0.1V/100K	0.79	0.90	88.0	80.0	44.0	60.0
TMPF1508A-1R0MN-ABD	1.00	±20	0.1V/100K	1.00	1.15	80.0	73.0	41.0	58.0
TMPF1508A-1R1MN-ABD	1.10	±20	0.1V/100K	1.00	1.15	80.0	73.0	41.0	58.0
TMPF1508A-1R3MN-ABD	1.30	±20	0.1V/100K	1.25	1.44	70.0	63.0	35.0	47.0
TMPF1508A-1R8MN-ABD	1.80	±20	0.1V/100K	1.60	1.84	63.0	57.0	33.0	44.0
TMPF1508A-2R0MN-ABD	2.00	±20	0.1V/100K	1.92	2.21	57.0	52.0	29.5	40.0
TMPF1508A-2R2MN-ABD	2.20	±20	0.1V/100K	2.15	2.48	55.0	49.0	28.0	37.0
TMPF1508A-3R0MN-ABD	3.00	±20	0.1V/100K	2.50	3.00	46.0	41.0	26.0	34.5
TMPF1508A-4R2MN-ABD	4.20	±20	0.1V/100K	3.90	4.68	38.0	33.0	20.5	27.0
TMPF1508A-4R7MN-ABD	4.70	±20	0.1V/100K	4.30	5.16	37.0	32.0	20.0	26.5
TMPF1508A-5R3MN-ABD	5.30	±20	0.1V/100K	4.45	5.34	35.0	31.0	19.5	26.0
TMPF1508A-6R2MN-ABD	6.20	±20	0.1V/100K	5.40	6.50	34.0	31.0	17.0	23.0
TMPF1508A-7R2MN-ABD	7.20	±20	0.1V/100K	6.00	7.20	32.0	29.0	15.0	21.0
TMPF1508A-8R2MN-ABD	8.20	±20	0.1V/100K	6.60	7.92	28.0	25.0	13.0	19.0
TMPF1508A-100MN-ABD	10.00	±20	0.1V/100K	8.00	9.60	24.0	21.0	11.0	16.0
TMPF1508A-150MN-ABD	15.00	±20	0.1V/100K	12.50	15.00	21.0	18.0	10.0	13.0
TMPF1508A-220MN-ABD	22.00	±20	0.1V/100K	19.30	23.20	19.0	16.0	9.0	12.0

Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Dimensions

Dimensions	
A	17.50±0.30
B	16.50±0.30
C	9.70±0.20
D	13.20±0.50
E	3.20±0.20
F	7.00±0.30

Units: mm

■ Specifications

Part Number	Inductance (μH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) 20°C rise.	I rms (A) 40°C rise.
TMPF1510A-4R7MN-ABD	4.70	±20	0.1V/100K	3.40	3.80	43.0	39.0	22.0	30.0
TMPF1510A-5R6MN-ABD	5.60	±20	0.1V/100K	3.82	4.20	38.0	34.0	21.0	28.0
TMPF1510A-6R8MN-ABD	6.80	±20	0.1V/100K	4.18	4.60	36.0	31.0	20.0	26.0
TMPF1510A-8R2MN-ABD	8.20	±20	0.1V/100K	6.00	7.20	32.0	28.0	19.0	25.0
TMPF1510A-100MN-ABD	10.00	±20	0.1V/100K	7.10	8.60	29.0	26.0	18.0	24.0
TMPF1510A-150MN-ABD	15.00	±20	0.1V/100K	9.20	11.50	23.0	20.0	14.0	18.0
TMPF1510A-220MN-ABD	22.00	±20	0.1V/100K	13.20	15.80	20.0	18.0	11.0	16.0

Note:

1. Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Dimensions

Dimensions	
A	17.50±0.30
B	16.50±0.30
C	12.70±0.20
D	13.20±0.50
E	3.20±0.20
F	7.00±0.30

Units: mm

■ Specifications


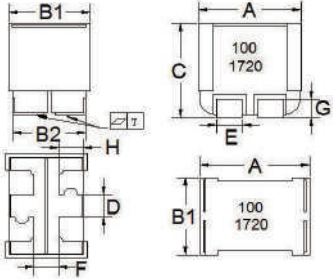
Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) 20°C rise.	I rms (A) 40°C rise.
TMPF1513A-4R7MN-ABD	4.70	±20	0.1V/100K	3.00	3.30	44.0	40.0	23.0	31.0
TMPF1513A-5R6MN-ABD	5.60	±20	0.1V/100K	3.50	3.90	40.0	35.0	22.0	29.0
TMPF1513A-6R8MN-ABD	6.80	±20	0.1V/100K	3.80	4.20	37.0	32.0	21.0	27.0
TMPF1513A-8R2MN-ABD	8.20	±20	0.1V/100K	5.10	5.74	33.0	29.0	20.0	26.0
TMPF1513A-100MN-ABD	10.00	±20	0.1V/100K	6.30	7.00	30.0	27.0	19.0	25.0
TMPF1513A-150MN-ABD	15.00	±20	0.1V/100K	6.80	7.50	25.5	21.0	16.0	22.0
TMPF1513A-220MN-ABD	22.00	±20	0.1V/100K	12.60	13.86	22.0	19.0	12.0	17.0
TMPF1513A-330MN-ABD	33.00	±20	0.1V/100K	18.50	22.20	19.0	16.0	9.0	14.0

Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 30%.



■ Dimensions

Dimensions	
A	12.0±0.20
B1	9.60±0.20
B2	8.70±0.25
C	11.3±0.30
D	1.95±0.15
E	2.80±0.10
F	3.40Min
G	2.30±0.30
H	2.50±0.30
T	≤0.15

Units: mm

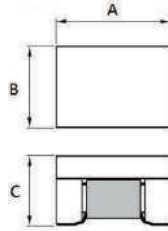
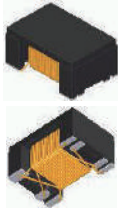
■ Specifications

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (Hz)	DCR (mΩ) typ.	DCR (mΩ) max.	I sat (A) typ.	I sat (A) max.	I rms (A) 20℃ rise.	I rms (A) 40℃ rise.
TBMA1004P4V-R43MN-D	0.43	±20	100K/1V	1.90	2.30	27.0	23.0	38.0	34.0
TBMA1004P4V-1R0MN-D	1.00	±20	100K/1V	3.3	4.0	18.0	/	27.0	/
TBMA1004P4V-3R3MN-D	3.30	±20	100K/1V	10.5	13.0	10.0	/	19.0	/
TBMA1004P4V-5R6MN-D	5.60	±20	100K/1V	20.0	23.0	7.5	6.0	11.0	9.0
TBMA1004P4V-7R5MN-D	7.50	±20	100K/1V	25.0	28.0	6.8	5.3	10.0	8.0
TBMA1004P4V-100MN-D	10.0	±20	100K/1V	30.5	32.6	5.6	4.4	7.4	6.4
TBMA1004P4V-150MN-D	15.0	±20	100K/1V	43.5	45.5	4.6	4.1	5.5	5.0
TBMA1004P4V-220MN-D	22.0	±20	100K/1V	62.0	74.4	4.0	3.5	5.0	4.5

Note:

1.Saturation Current (Isat) will cause L0 to drop approximately 30%.

■ Dimensions



Dimensions	
A	4.70±0.20
B	3.22±0.20
C	2.90 max

Units: mm

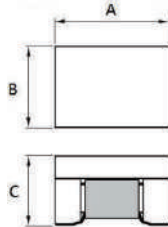
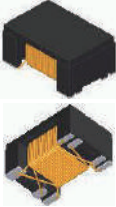
■ Specifications

Part Number	Inductance (uH) (DC bias 0mA)	Test Frequency (Hz/V)	Insertion Loss	Cp Capacitance (pF)	Turns Ratio	HI-POT
TXF453229NF-181-7P	180 uH(min)	100K/0.1	1-100MHZ -1.0dB Max	35pF(typ.)	1:1	AC 1.5KV 60SEC

Part Number	Inductance (uH) (DC bias 0mA)	Inductance (uH) (DC bias 15mA)	Test Frequency (Hz/V)	Insertion Loss	Cp Capacitance (pF)	Turns Ratio	HI-POT
TXF453229NF-231-7P	230 uH(min)	200 uH(min)	100K/0.1	1-100MHZ -1.5dB Max	35pF(typ.)	1:1	AC 1.5KV 60SEC

Part Number	Inductance (uH) (DC bias 0mA)	Inductance (uH) (DC bias 15mA)	Test Frequency (Hz/V)	Insertion Loss	Cp Capacitance (pF)	Turns Ratio	HI-POT
TXF453229NF-381-7P	380 uH(Min)	350 uH(Min)	100K/0.1	1-100MHZ -1.5dB Max	35pF(typ.)	1:1	AC 1.5KV 60SEC

■ Dimensions



Dimensions	
A	4.70±0.20
B	4.40±0.20
C	2.90 max

Units: mm

■ Specifications

Part Number	Inductance (uH) (DC bias 0mA)	Test Frequency (Hz/V)	Insertion Loss (1-500MHZ)	Cp Capacitance (pF)	Turns Ratio	HI-POT
TXF464429NF-121-7P-P2	120 uH(min)	100K/0.1	-2.0dB Typ. -3.0dB Max	30pF(typ.)	1:1	AC 1.5KV 60SEC

Part Number	Inductance (uH) (DC bias 0mA)	Test Frequency (Hz/V)	Insertion Loss	Cp Capacitance (pF)	Turns Ratio	HI-POT
TXF464429NF-181-7P	180 uH(min)	100K/0.1	1-100MHZ -1.5dB Max	35pF(typ.)	1:1	AC 1.5KV 60SEC

Part Number	Inductance (uH) (DC bias 0mA)	Inductance (uH) (DC bias 8mA)	Test Frequency (Hz/V)	Insertion Loss	Cp Capacitance (pF)	Turns Ratio	HI-POT
TXF464429NF-381-7P	380 uH(Min)	350 uH(Min)	100K/0.1	1-100MHZ -1.5dB Max	35pF(typ)	1:1	AC1.5KV 60SEC



■ Dimensions

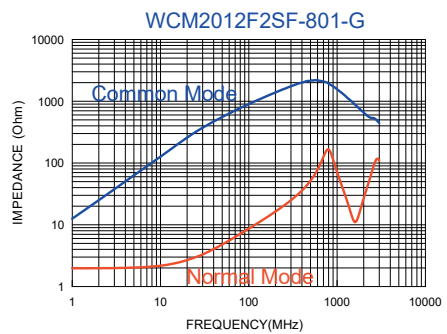
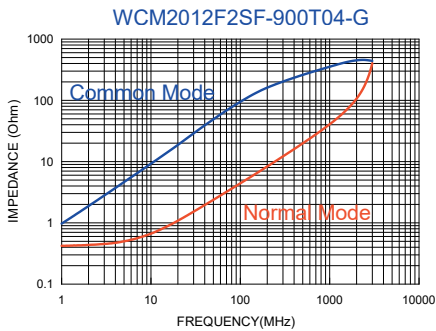
Dimensions	
A	2.00±0.20
B	1.20±0.20
C	1.20±0.20
D1	0.50±0.10
D2	0.51±0.10
E	0.15±0.10

Units: mm

■ Specifications

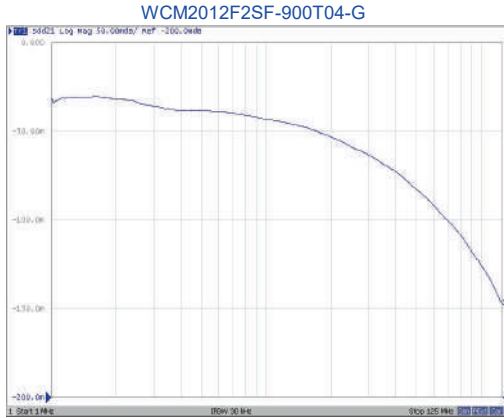
Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max	Rated Current (mA) max	Rated Volt. (Vdc)max	Withstand Volt. (Vdc) max	IR (Ω) min
WCM2012F2SF-900T04-G	90±25%	100	0.30	400	50	125	10M
WCM2012F2SF-801-G	800±25%	100	0.88	300	50	125	10M

■ Impedance-Frequency Characteristics (Typical)





■ Insertion Loss Test (Typical)





■ Dimensions

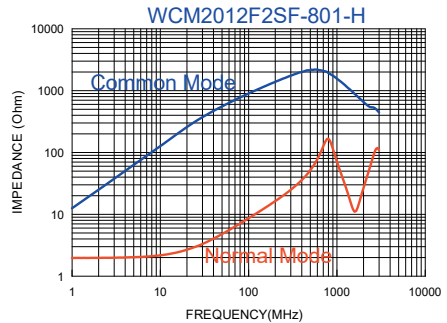
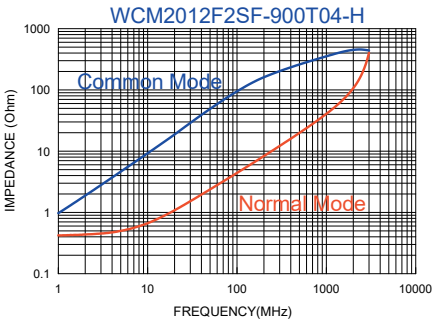
Dimensions	
A	2.00±0.20
B	1.20±0.20
C	1.20±0.20
D1	0.50±0.10
D2	0.51±0.10
E	0.15±0.10

Units: mm

■ Specifications

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max	Rated Current (mA) max	Rated Volt. (Vdc)max	Withstand Volt. (Vdc) max	IR (Ω) min
WCM2012F2SF-900T04-H	90±25%	100	0.30	400	50	125	10M
WCM2012F2SF-801-H	800±25%	100	0.88	300	50	125	10M

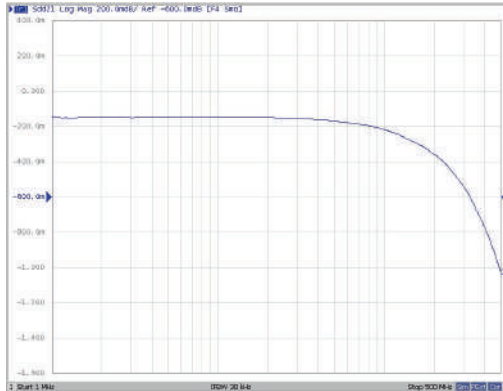
■ Impedance-Frequency Characteristics (Typical)





■ Insertion Loss Test (Typical)

WCM2012F2SF-900T04-H

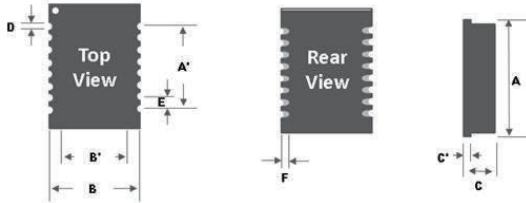


WCM2012F2SF-801-H





■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F
LAN-12M162P7D8	12.7±0.25	8.89±0.25	8.67±0.25	7.2±0.25	4.0±0.25	0.8±0.05	0.6±0.1	1.27±0.25	1.00±0.25
LAN-12M162P7B0	12.7±0.25	8.89±0.25	8.67±0.25	7.2±0.25	4.0±0.25	0.8±0.05	0.6±0.1	1.27±0.25	1.00±0.25

Units: mm

■ Specifications

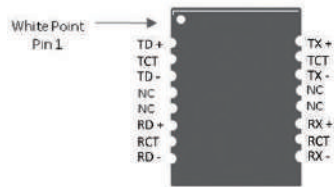
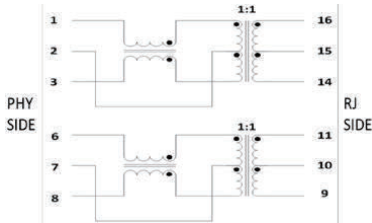
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)				Cross talk (dB Min)	DCMR (dB Min)	
	1~100 MHz	1~30 MHz	40 MHz	50 MHz	60~80 MHz	1~100 MHz	1~60 MHz	60~100 MHz
LAN-12M162P7D8	-1.2	-18	-15.5	-13.5	-10	-38	-33	-26
LAN-12M162P7B0	-1.2	-18	-15.5	-13.5	-10	-38	-33	-26

Note:

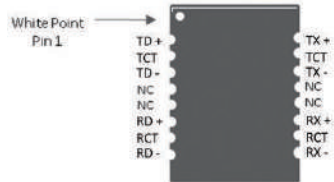
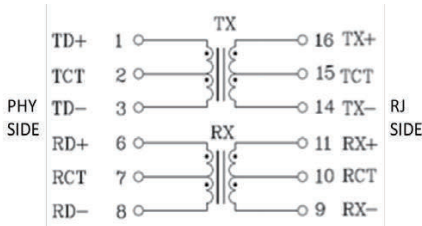
1. All test data referenced to 25°C ambient
2. Hi-Pot resistance of 1500 VAC for 1 minute
3. Recommended the design modules be assembled on the second side.

■ Schematic and Pin Define

LAN-12M162P7D8



LAN-12M162P7B0

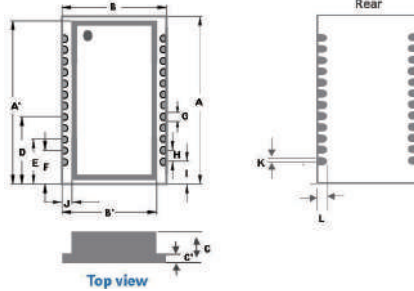


LAN 16G241P1A8

(-40~+85 °C)



■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F	G	H	I	J	K	L
LAN-16G241P1A8	16.5	16.0	10.3	9.65	4.1	0.8	6.75	4.75	3.75	0.4	1.0	2.75	0.65	0.2	1.0

Units: mm

■ Specifications

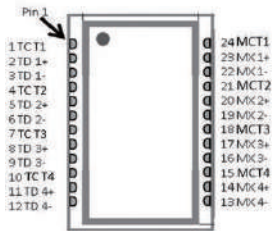
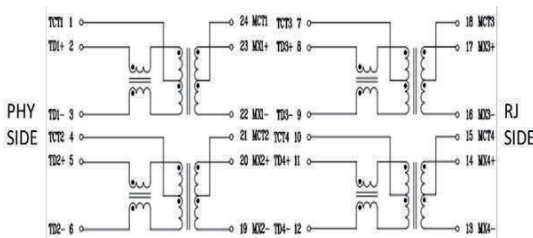
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)						Cross talk (dB Min)	DCMR (dB Min)	
		1~100 MHz	1~30 MHz	40 MHz	50 MHz	60~80 MHz	100 MHz		1~60 MHz	60~100 MHz
LAN-16G241P1A8	-1.1	-18	-14.4	-13.1	-12	-10	-35	-35	-30	

Note:

1. All test data referenced to 25°C ambient
2. Hi-Pot resistance of 1500 VAC for 1 minute
3. Recommended the design modules be assembled on the second side

■ Schematic and Pin Define

LAN-16G241P1A8

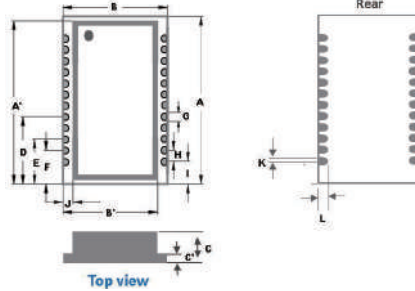


LAN 17G241P7C8

(-40~+85 °C)



■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F	G	H	I	J	K	L
LAN-17G241P7C8	17.53	17.03	14.6	13.92	4.5	1.0	6.86	4.32	3.05	0.4	1.27	1.78	0.67	0.2	1.1

Units: mm

■ Specifications

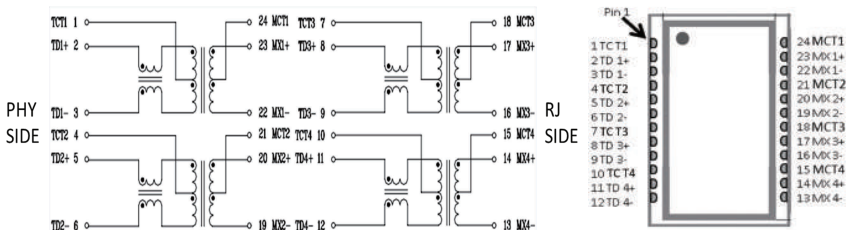
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)						Cross talk (dB Min)	DCMR (dB Min)	
		1~100 MHz	1~30 MHz	40 MHz	50 MHz	60~80 MHz	100 MHz		1~100 MHz	1~60 MHz
LAN-17G241P7C8	-1.1	-18	-14.4	-13.1	-12	-10	-35	-35	-30	

Note:

1. All test data referenced to 25°C ambient
2. Hi-Pot resistance of 1500 VAC for 1 minute
3. Recommended the design modules be assembled on the second side

■ Schematic and Pin Define

LAN-17G241P7C8

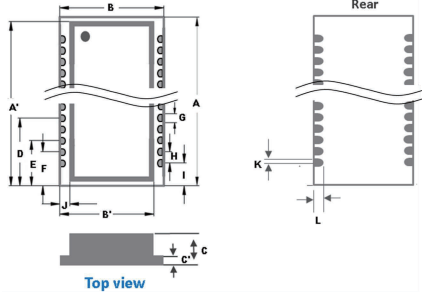


LAN 28G481P1A8

(-40~+85 C)



■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F	G	H	I	J	K	L
LAN-28G481P1A8	28.58	28.08	14.6	13.99	5.0	1.2	6.64	4.6	3.58	0.5	1.02	2.56	0.62	0.25	1.0

Units: mm

■ Specifications

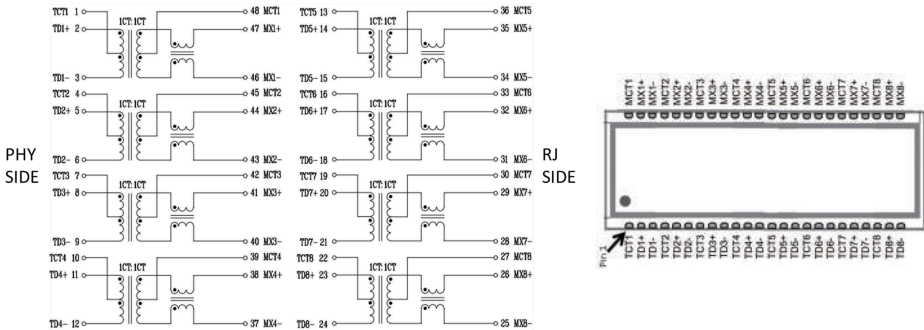
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)					Cross talk (dB Min)	DCMR (dB Min)	
		1~100 MHz	1~30 MHz	40 MHz	50 MHz	60~80 MHz		100 MHz	1~60 MHz
LAN-28G481P1A8	-1.1	-18	-14.4	-13.1	-12	-10	-35	-35	-30

Note:

1. All test data referenced to 25°C ambient
2. Hi-Pot resistance of 1500 VAC for 1 minute
3. Recommended the design modules be assembled on the second side

■ Schematic and Pin Define

LAN-28G481P1A8

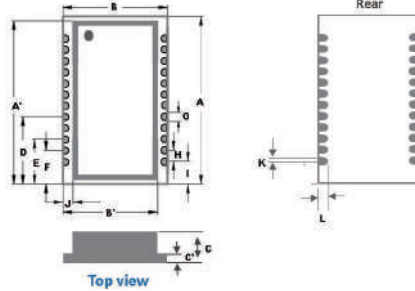


LAN 16E241L1A8

(-40~+85 C)



■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F	G	H	I	J	K	L
LAN-16E241L1A8	16.5	16.0	10.3	9.65	4.1	0.8	6.75	4.75	3.75	0.4	1.0	2.75	0.65	0.2	1.0

Units: mm

■ Specifications

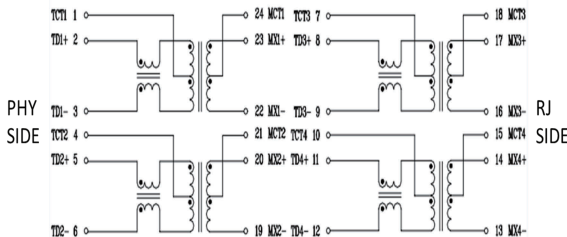
Part Number	OCL (uH Min) @100KHz/0.1V with 8mA DC Bias	Insertion Loss (dB Max)		Return Loss (dB Min)		Cross talk (dB Min) 1 ≤ f ≤ 250MHz	DCMR (dB Min)	
		1~100 MHz	100 < f ≤ 250MHz	1 ≤ f ≤ 40MHz	40 ≤ f ≤ 250MHz		1 < f ≤ 30MHz	30 < f ≤ 250MHz
LAN-16E241L1A8	120	-1.0	-2.0	-16	-(16-10log ₁₀ (f/40))	-(43.1-20log ₁₀ (f/100))	-48	-(44-19.2log ₁₀ (f/50))

Note:

1. All test data referenced to 25°C ambient
2. Hi-Pot resistance of 1500 VAC for 1 minute
3. Recommended design modules be assembled on the second side

■ Schematic and Pin Define

LAN-16E241L1A8

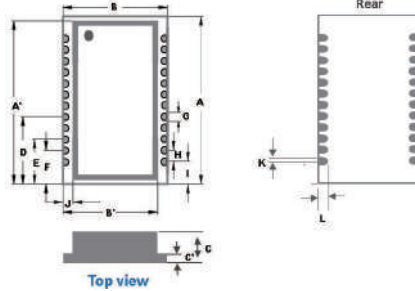


LAN 16J241L1A9

(-40~+85 C)



■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F	G	H	I	J	K	L
LAN-16J241L1A9	16.5	16.0	10.3	9.65	4.1	0.8	6.75	4.75	3.75	0.4	1.0	2.75	0.65	0.2	1.0

Units: mm

■ Specifications

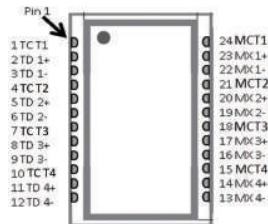
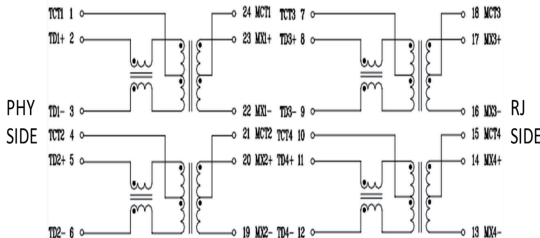
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)		Cross talk (dB Min)	DCMR (dB Min)	
	1-500MHz	$1 \leq f \leq 40\text{MHz}$	$40 \leq f \leq 250\text{MHz}$	1-500MHz	1~250MHz	250~500MHz
LAN-16J241L1A9	-3.0	-16	$-(16-10\log_{10}(f/40))$	-30	-30	-22

Note:

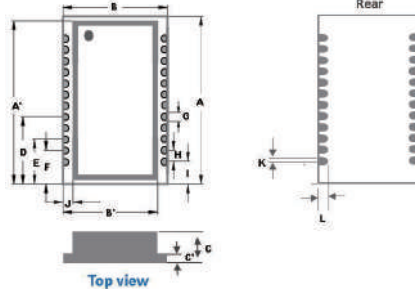
1. All test data referenced to 25°C ambient
2. Hi-Pot resistance of 1500 VAC for 1 minute
3. Recommended the design modules be assembled on the second side

■ Schematic and Pin Define

LAN-16J241L1A9



■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F	G	H	I	J	K	L
LAN-16J241Q1A9	16.5	16.0	10.3	9.65	4.1	0.8	6.75	4.75	3.75	0.4	1.0	2.75	0.65	0.2	1.0

Units: mm

■ Specifications

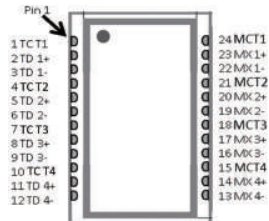
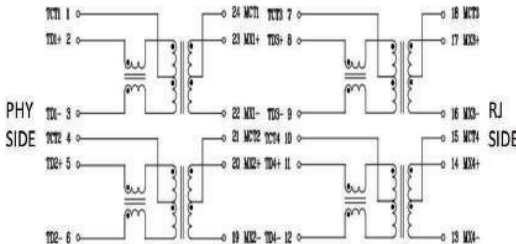
Part Number	OCL (uH Min) @100KHz/0.1V	Insertion Loss (dB Max)	Return Loss (dB Min)		Cross talk (dB Min)	DCMR (dB Min)	
		1-500MHz	1 ≤ f ≤ 40MHz	40 ≤ f ≤ 500MHz		1~500MHz	1~250MHz
LAN-16J241Q1A9	120	-3.0	-16	-16	-30	-30	-22

Note:

1. All test data referenced to 25°C ambient
2. Hi-Pot resistance of 1500 VAC for 1 minute
3. Recommended the design modules be assembled on the second side

■ Schematic and Pin Define

LAN-16J241Q1A9

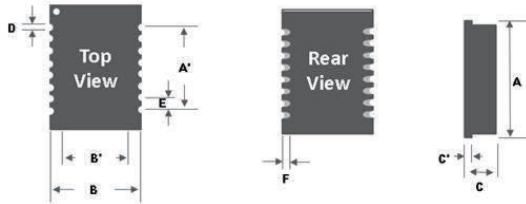


LAN 12M162L7A8

(-40~+85 C)



■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F
LAN-12M162L7A8	12.7±0.25	8.89±0.25	8.67±0.25	7.2±0.25	4.0±0.25	0.8±0.05	0.6±0.1	1.27±0.25	1.00±0.25

Units: mm

■ Specifications

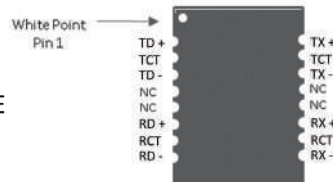
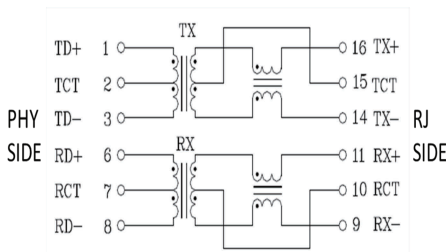
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)				Cross talk (dB Min)	DCMR (dB Min)	
		1-30 MHz	40 MHz	50 MHz	60-80 MHz		1-60 MHz	60-100 MHz
LAN-12M162L7A8	-1.2	-18	-15.5	-13.5	-10	-38	-33	-26

Note:

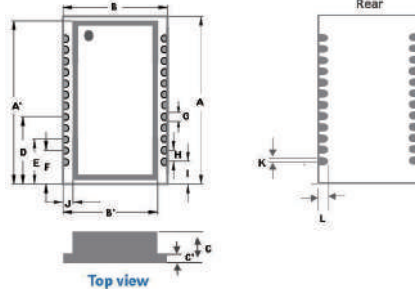
1. All test data referenced to 25°C ambient
2. Hi-Pot resistance of 1500 VAC for 1 minute
3. Recommended the design modules be assembled on the second side.

■ Schematic and Pin Define

LAN-12M162L7A8



■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F	G	H	I	J	K	L
LAN-16G241L1A8	16.5	16.0	10.3	9.65	4.1	0.8	6.75	4.75	3.75	0.4	1.0	2.75	0.65	0.2	1.0

Units: mm

■ Specifications

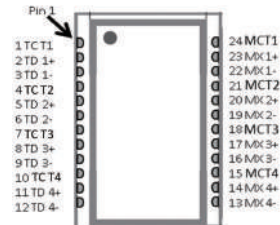
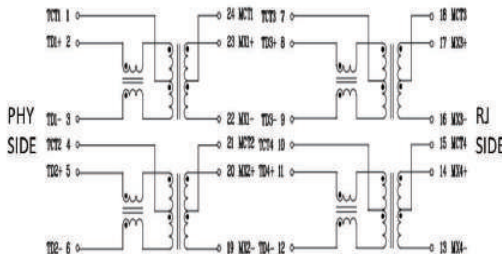
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)						Cross talk (dB Min)	DCMR (dB Min)	
		1~100 MHz	1~30 MHz	40 MHz	50 MHz	60~80 MHz	100 MHz		1~100 MHz	1~60 MHz
LAN-16G241L1A8	-1.1	-18	-14.4	-13.1	-12	-10	-35	-35	-30	

Note:

1. All test data referenced to 25°C ambient
2. Recommended the design modules be assembled on the second side

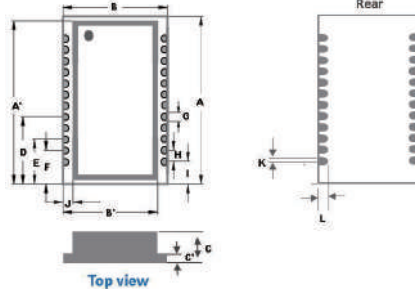
■ Schematic and Pin Define

LAN-16G241L1A8





■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F	G	H	I	J	K	L
LAN-16E241Q1A9	16.5	16.0	10.3	9.65	4.1	0.8	6.75	4.75	3.75	0.4	1.0	2.75	0.65	0.2	1.0

Units: mm

■ Specifications

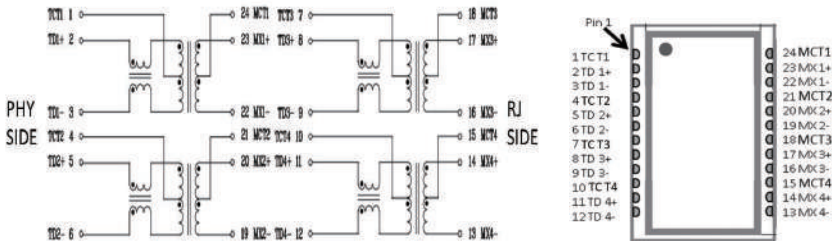
Part Number	OCL (uH Min) @100KHz/0.1V with 8mA DC Bias	Insertion Loss (dB Max)		Return Loss (dB Min)		Cross talk (dB Min)	DCMR (dB Min)	
		1~100 MHz	100$f \leq 250\text{MHz}$	1$f \leq 40\text{MHz}$	40$f \leq 250\text{MHz}$		1$f \leq 250\text{MHz}$	1$f \leq 30\text{MHz}$
LAN-16E241Q1A9	120	-1.0	-2.0	-16	$-(16-10\log_{10}(f/40))$	$-(43.1-20\log_{10}(f/100))$	-48	$-(44-19.2\log_{10}(f/50))$

Note:

1. All test data referenced to 25°C ambient
2. Hi-Pot resistance of 1500 VAC for 1 minute
3. Recommended the design modules be assembled on the second side

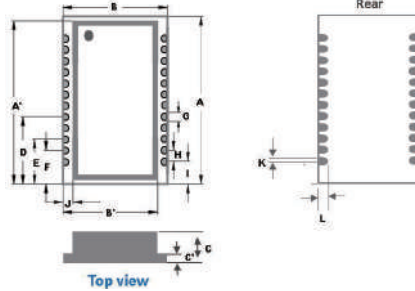
■ Schematic and Pin Define

LAN-16E241Q1A9





■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F	G	H	I	J	K	L
LAP-16J241Q1A9	16.5	16.0	10.3	9.65	4.1	0.8	6.75	4.75	3.75	0.4	1.0	2.75	0.65	0.2	1.0

Units: mm

■ Specifications

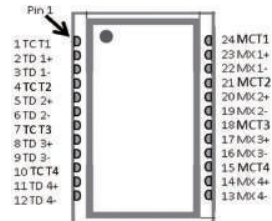
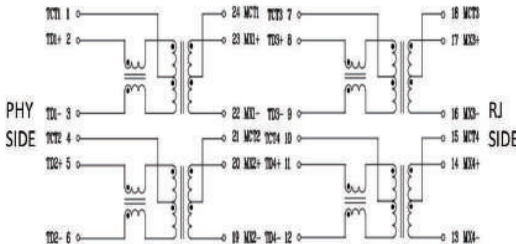
Part Number	OCL (uH Min) @100KHz/0.1V	Insertion Loss (dB Max)	Return Loss (dB Min)		Cross talk (dB Min)	DCMR (dB Min)	
			1~500MHz	$1 \leq f \leq 40\text{MHz}$		$40 \leq f \leq 500\text{MHz}$	1~250MHz
LAP-16J241Q1A9	120	-3.0	-16	$-(16-10\log_{10}(f/40))$	-30	-30	-22

Note:

1. All test data referenced to 25°C ambient
2. Hi-Pot resistance of 1500 VAC for 1 minute
3. Recommended the design modules be assembled on the second side

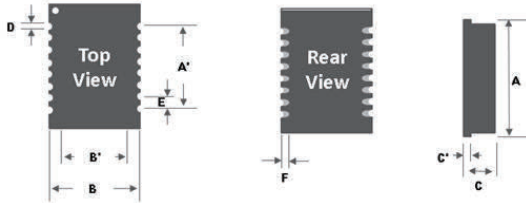
■ Schematic and Pin Define

LAP-16J241Q1A9





■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F
LAN-12M162C7A8	12.7±0.1	8.87±0.1	9.0±0.1	7.2±0.1	4.0±0.1	0.8±0.1	0.6±0.1	1.27±0.1	1.0±0.1
LAN-12M162C7A0	12.7±0.1	8.87±0.1	9.0±0.1	7.2±0.1	4.0±0.1	0.8±0.1	0.6±0.1	1.27±0.1	1.0±0.1

Units: mm

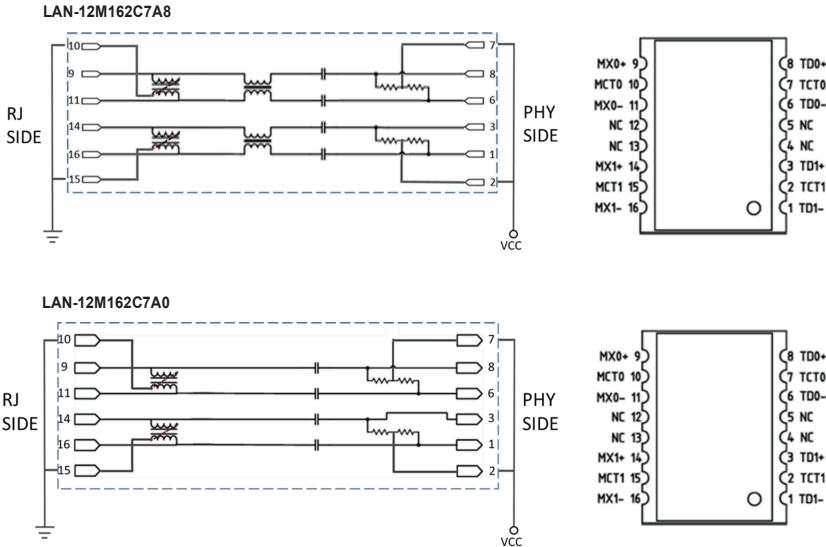
■ Specifications

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)			DCMR (dB Min)		
	1~100MHz	30MHz	60MHz	100MHz	30MHz	60MHz	100MHz
LAN-12M162C7A8	-1	-20	-15	-10	-25	-25	-25
LAN-12M162C7A0	-1	-20	-15	-10	-25	-25	-25

Note:

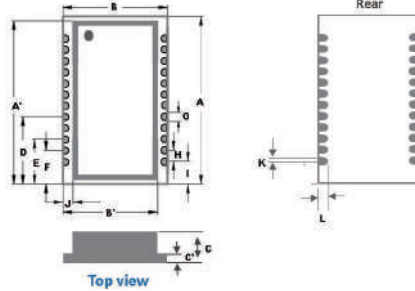
1. All test data referenced to 25°C ambient
2. Recommended design modules should be assembled on the second side.

■ Schematic and Pin Define





■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F	G	H	I	J	K	L
LAN-16G241C1A8	16.5	15.99	10.0	9.5	4.15	0.8	6.75	4.75	3.75	0.4	1.0	2.75	0.65	0.2	1.0

Units: mm

■ Specifications

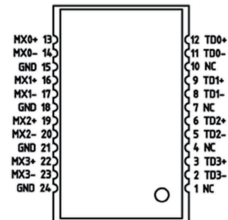
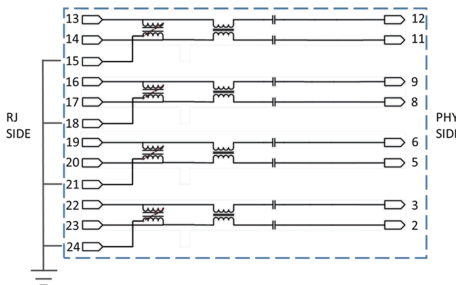
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)			DCMR (dB Min)		
		1~100MHz	30MHz	60MHz	100MHz	30MHz	60MHz
LAN-16G241C1A8	-1	-20	-15	-10	-25	-25	-25

Note:

1. All test data referenced to 25°C ambient
2. Recommended design modules should be assembled on the second side.

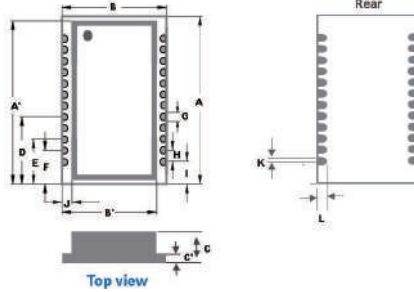
■ Schematic and Pin Define

LAN-16G241C1A8





■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F	G	H	I	J	K	L
LAN-17G241C7A8	17.53	17.03	14.6	13.92	4.5	1.0	6.86	4.32	3.05	0.4	1.27	1.78	0.67	0.2	1.1

Units: mm

■ Specifications

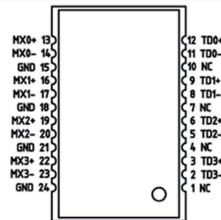
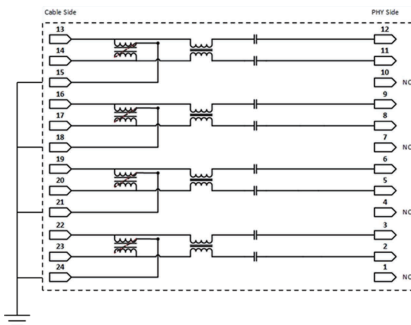
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)			DCMR (dB Min)		
		1~100MHz	30MHz	60MHz	100MHz	30MHz	60MHz
LAN-17G241C7A8	-1	-20	-15	-10	-25	-25	-25

Note:

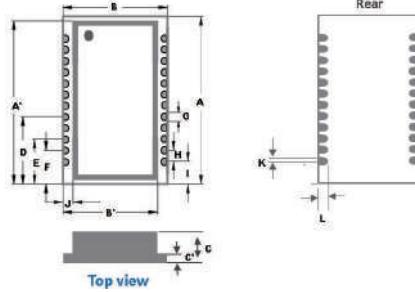
- All test data referenced to 25°C ambient
- Recommended design modules should be assembled on the second side.

■ Schematic and Pin Define

LAN-17G241C7A8



■ Dimensions



Series	A	A'	B	B'	C	C'	D	E	F	G	H	I	J	K	L
LAN-16E241C1A8	16.5	15.99	10.0	9.5	4.15	0.8	6.75	4.75	3.75	0.4	1.0	2.75	0.65	0.2	1.0
LAN-16E241F1A8	16.5	15.99	10.0	9.5	2.4	0.6	6.75	4.75	3.75	0.6	1.0	2.75	0.65	0.2	1.0

Units: mm

■ Specifications

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)			DCMR (dB Min)		
		1~100MHz	30MHz	60MHz	100MHz	30MHz	60MHz
LAN-16E241C1A8	-1	-20	-15	-10	-25	-25	-25
LAN-16E241F1A8	-1	-20	-15	-10	-25	-25	-25

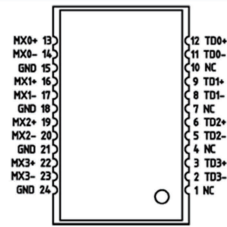
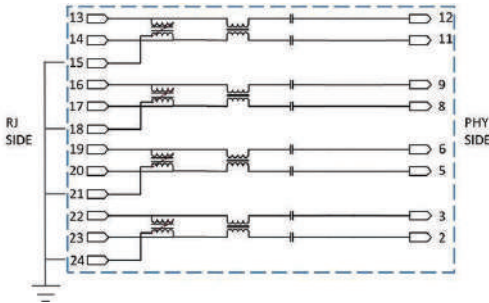
Note:

1. All test data referenced to 25°C ambient
2. Recommended the design modules should be assembled on the second side.

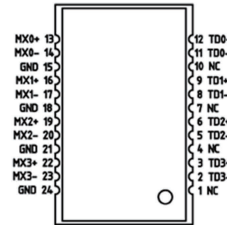
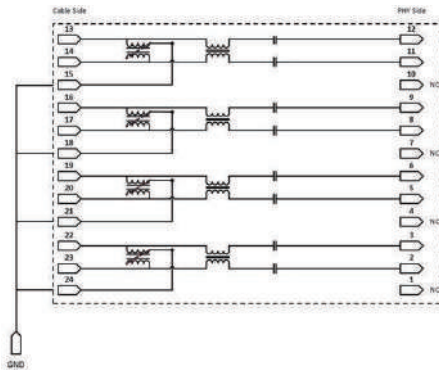


■ Schematic and Pin Define

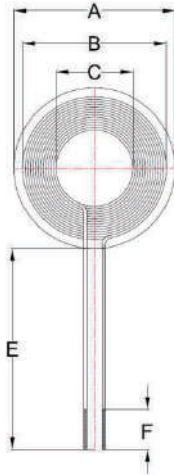
LAN-16E241C1A8



LAN-16E241F1A8



■ Dimensions



Dimensions	
A	20.0±0.5
B	17.5±1.0
C	9.5±0.5
D	1.5 max.
E	25.0±2.0
F	5.0±2.0

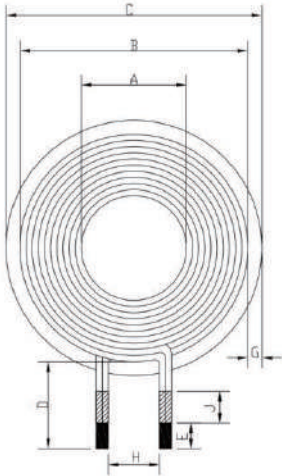
Units: mm



■ Specifications

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (mΩ) max.	I rms (mA) max.	Power Rating (W)	Winding	Ferrite sheet
CRX202015-13MSE-00	5.0±10%	100K / 1V	180	1200	3.5	Single	Flexible

■ Dimensions



Dimensions	
A	20.5±0.5
B	44.0±1.5
C	50.0±0.5
D	17.0±2.0
E	5.0±2.0
F	4.0 max.
G	2.0 min.
H	10.0 ref.
J	8.0 ref.

Units: mm

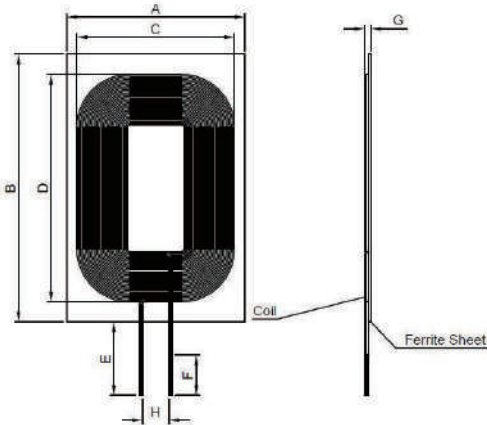
Tube



■ Specifications

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (mΩ) max.	I rms (mA) max.	Power Rating (W)	Qi design	Winding	Ferrite sheet
CTX505040-05MSESN-17-00M	6.3±10%	100K / 1V	25	10000	15	MP-A11	Bi-filar	Hard

■ Dimensions



Dimensions	
A	32.0±0.5
B	48.0±0.5
C	31.0 ref.
D	41.2 ref.
E	25.0±2.0
F	5.0±2.0
G	1.5 max.
H	5.0 ref.

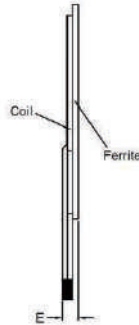
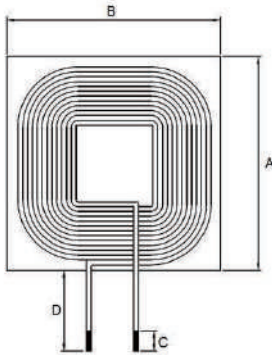
Units: mm



■ Specifications

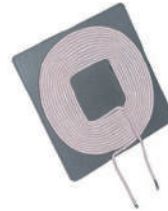
Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (mΩ) max.	I rms (mA) max.	Power Rating (W)	Winding	Ferrite sheet
PRX483215-14MSE-00	12.0±10%	100K / 1V	200	3000	5	Bi-filar	Flexible

■ Dimensions



Dimensions	
A	55.0±1.0
B	55.0±1.0
C	5.0 ref.
D	47.0 ref.
E	4.5 max.

Units: mm



■ Specifications

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (mΩ) max.	I rms (mA) max.	Power Rating (W)	Qi design	Winding	Ferrite sheet
PTX555545-12MSESN-47-00M	10.0±10%	100K / 1V	80	6000	15	MP-A2	Single	Hard