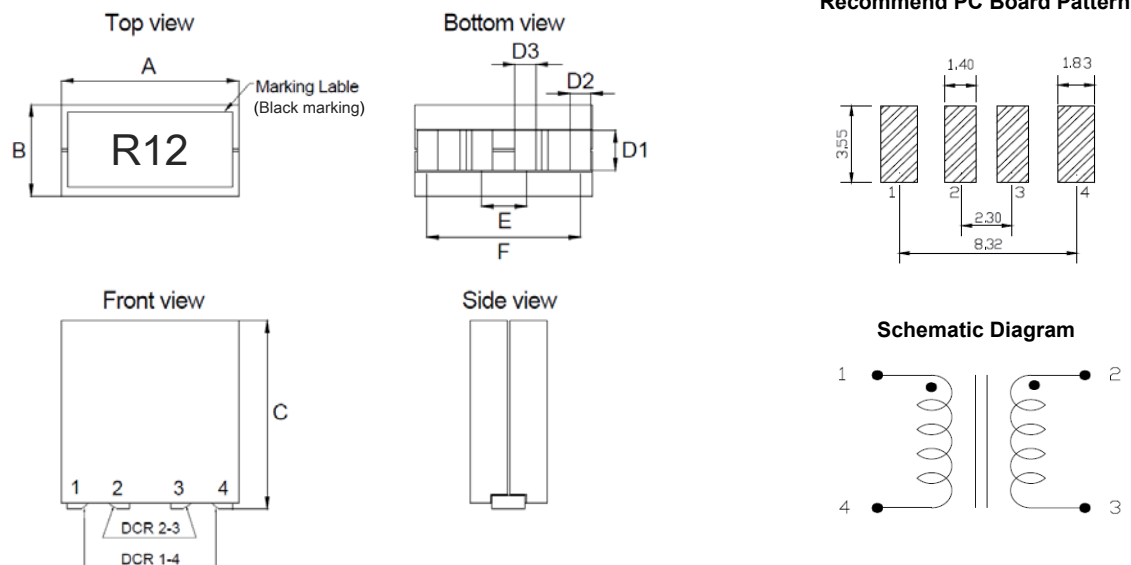


1. Dimension



Series	A(mm)	B(mm)	C(mm)	D1mm)	D2(mm)	D3(mm)	E(mm)	F(mm)
TLVR100612	10.0 max	6.0 max	12.0 max	3.05 typ	1.33 typ	0.9 typ	2.3 typ	8.32 typ

* PAD surface flatness 0.1mm max.

* Recommended: modules should be surface-mounted on the second time(last time) of customer's double-sided PCB to prevent shift of parts.

* Before soldering, be sure to preheat components. The recommended preheating condition is 150°C for 3 minutes.

2. Part Numbering

TLVR 100612 - R12 K - S0A

A B C D E

A: Series

B: Dimension

C: Inductance R12=120nH

D: Inductance Tolerance K=±10%

E: Inner Code

3. Specification

TAI-TECH Part Number	L (nH) 1-4/2-3 ±10%	L2 (nH)@Isat1 Min 1-4	DCR (mΩ) ±10%		Isat 1 (A) Note b	Isat 2 (A) Note b	Isat 3 (A) Note b	Irms (A) 1-4 Note a	Marking Code
			1-4	2-3	@25℃	@100℃	@125℃		
TLVR100612-R07K-S0A	70	50	0.125	0.370	157	135	125	75	R07
TLVR100612-R08K-S0A	80	57	0.125	0.370	137	118	110	75	R08
TLVR100612-R10K-S0A	100	72	0.125	0.370	110	95	88	75	R10
TLVR100612-R12K-S0A	120	86	0.125	0.370	92	79	73	75	R12
TLVR100612-R15K-S0A	150	108	0.125	0.370	73	63	58	75	R15
TLVR100612-R17K-S0A	170	122	0.125	0.370	64	55	51	75	R17

Note:

1. L@ 100kHz, 0.1Vrms, 0A, 25°C.

2. L2 @ 100kHz, 0.1Vrms, Isat.

3. DCR @ 25°C, test DCR1-4 & DCR2-3 which was shown on dimension page.

4. Operating Temperature: -40°C~ +125°C(Including self-temperature rise).

a. Irms: Irms is the DC current which causes the surface temperature of the part increase approximately 40°C.

b. Isat1: Peak current for approximately 20% rolloff at +25°C

b. Isat2: Peak current for approximately 20% rolloff at +100°C

b. Isat3: Peak current for approximately 20% rolloff at +125°C