

Winding Type Chip Inductor

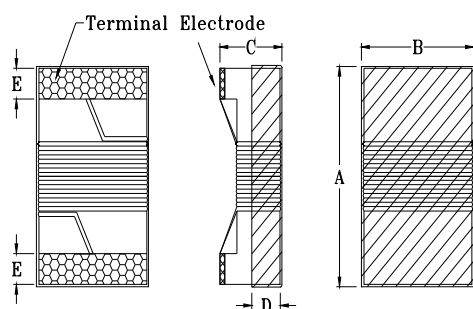
SWF3225CV-SERIES

1. Features

1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. Application for DC power line.
5. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
6. High reliability -Reliability tests comply with AEC-Q200
7. Operating temperature-55~+125°C (Including self - temperature rise)



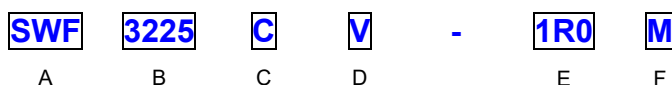
2. Dimension



Size	A	B	C	D	E
SWF3225	3.60 max.	2.80 max.	2.60 max.	0.80 ref.	0.55±0.10

Unit:mm

3. Part Numbering



A: Series	
B: Dimension	L x W
C: Application	DC Power Line
D: Category Code	V=Vehicle
E: Inductance	1R0=1.0uH
F: Inductance Tolerance	K=±10%, M=±20%

4. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
SWF3225CV-1R0□	1.00	K,M	0.5V/7.96M	10	7.96	1200	0.12	290
SWF3225CV-1R5□	1.50	K,M	0.5V/7.96M	10	7.96	1000	0.13	260
SWF3225CV-2R2□	2.20	K,M	0.5V/7.96M	10	7.96	880	0.17	190
SWF3225CV-3R3□	3.30	K,M	0.5V/7.96M	10	7.96	775	0.22	64
SWF3225CV-4R7□	4.70	K,M	0.5V/7.96M	10	7.96	710	0.26	54
SWF3225CV-6R8□	6.80	K,M	0.5V/7.96M	10	7.96	660	0.30	34
SWF3225CV-100□	10.0	K,M	0.5V/2.52M	10	2.52	570	0.39	25
SWF3225CV-150□	15.0	K,M	0.5V/2.52M	10	2.52	440	0.66	17
SWF3225CV-220□	22.0	K,M	0.5V/2.52M	10	2.52	400	0.82	16

TAI-TECH Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
SWF3225CV-330□	33.0	K,M	0.5V/2.52M	10	2.52	285	1.50	12
SWF3225CV-390□	39.0	K,M	0.5V/2.52M	10	2.52	270	1.66	12
SWF3225CV-470□	47.0	K,M	0.5V/2.52M	10	2.52	260	1.90	10
SWF3225CV-680□	68.0	K,M	0.5V/2.52M	10	2.52	235	2.29	9.0
SWF3225CV-101□	100	K,M	0.5V/1M	10	1.00	190	3.48	7.0
SWF3225CV-151□	150	K,M	0.5V/1M	10	1.00	140	6.55	5.0
SWF3225CV-221□	220	K,M	0.5V/1M	10	1.00	115	8.23	4.0
SWF3225CV-331□	330	K,M	0.5V/1M	10	1.00	98	13.7	2.8
SWF3225CV-471□	470	K,M	0.5V/1M	10	1.00	86	18.1	2.6
SWF3225CV-681□	680	K,M	0.5V/1M	10	1.00	76	22.0	2.3

5. Recommended PC Board Pattern

Chip size							Land Patterns For Reflow Soldering		
Series	Type	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	L(mm)	G(mm)	H(mm)
SWF	3225	3.60max	2.80max	2.60max	0.80 ref.	0.55±0.1	3.82	2.00	2.80

