Winding Type Chip Inductor

SWF3225CF-SERIES

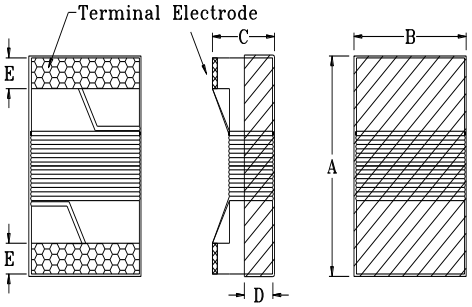
1. Features

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. Operating temperature-40~+125℃ (Including self - temperature rise)

Halogen-free

RoHS

2. Dimension



Size	A	B	C	D	E
SWF3225	3.60 max.	2.80 max.	2.60 max.	0.80 ref.	0.55±0.1

Unit:mm

3. Part Numbering

SWF	3225	C	F	-	1R0	M
A	B	C	D		E	F

A: Series
B: Dimension L x W
C: Application DC Power Line
D: Lead free
E: Inductance 1R0=1.00uH
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.
SWF3225CF-1R0□	1.00	K,M	0.5V/7.96M	10	7.96	1200	0.12	290
SWF3225CF-1R5□	1.50	K,M	0.5V/7.96M	10	7.96	1000	0.13	260
SWF3225CF-2R2□	2.20	K,M	0.5V/7.96M	10	7.96	880	0.17	190
SWF3225CF-3R3□	3.30	K,M	0.5V/7.96M	10	7.96	775	0.22	64
SWF3225CF-4R7□	4.70	K,M	0.5V/7.96M	10	7.96	710	0.26	54
SWF3225CF-6R8□	6.80	K,M	0.5V/7.96M	10	7.96	660	0.30	34
SWF3225CF-100□	10.0	K,M	0.5V/2.52M	10	2.52	570	0.39	25
SWF3225CF-150□	15.0	K,M	0.5V/2.52M	10	2.52	440	0.66	17
SWF3225CF-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.
SWF3225CF-330□	33.0	K,M	0.5V/2.52M	10	2.52	285	1.50	12
SWF3225CF-390□	39.0	K,M	0.5V/2.52M	10	2.52	270	1.66	12
SWF3225CF-470□	47.0	K,M	0.5V/2.52M	10	2.52	260	1.90	10
SWF3225CF-680□	68.0	K,M	0.5V/2.52M	10	2.52	235	2.29	9.0
SWF3225CF-101□	100	K,M	0.5V/1M	10	1.00	190	3.48	7.0
SWF3225CF-151□	150	K,M	0.5V/1M	10	1.00	140	6.55	5.0
SWF3225CF-221□	220	K,M	0.5V/1M	10	1.00	115	8.23	4.0
SWF3225CF-331□	330	K,M	0.5V/1M	10	1.00	98	13.7	2.8
SWF3225CF-471□	470	K,M	0.5V/1M	10	1.00	86	18.1	2.6
SWF3225CF-681□	680	K,M	0.5V/1M	10	1.00	76	22.0	2.3

