Winding Type Chip Inductor

SWF2520CF-SERIES

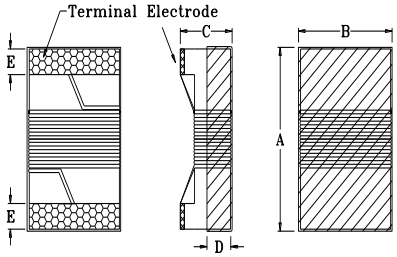
1. Features

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. Dimensions



Size	A	B	C	D	E
SWF2520	2.90 max.	2.50 max.	2.10 max.	1.20 ref.	0.55±0.1

Unit:mm

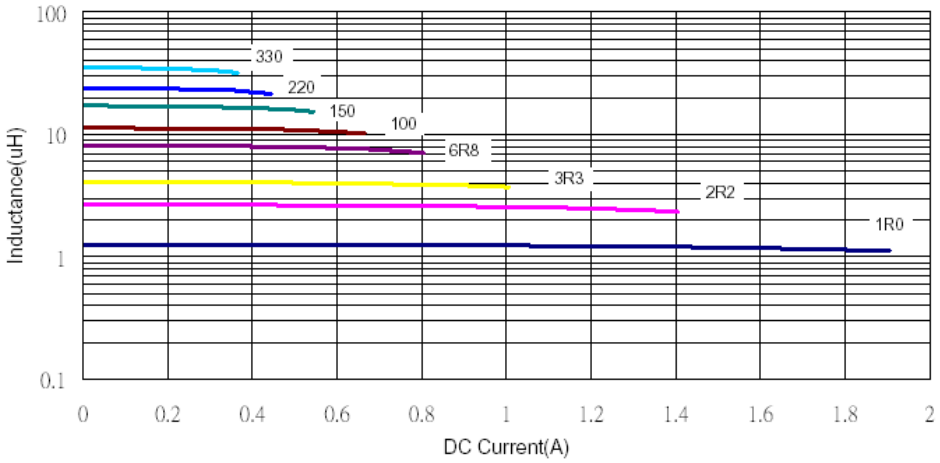
3. Part Numbering

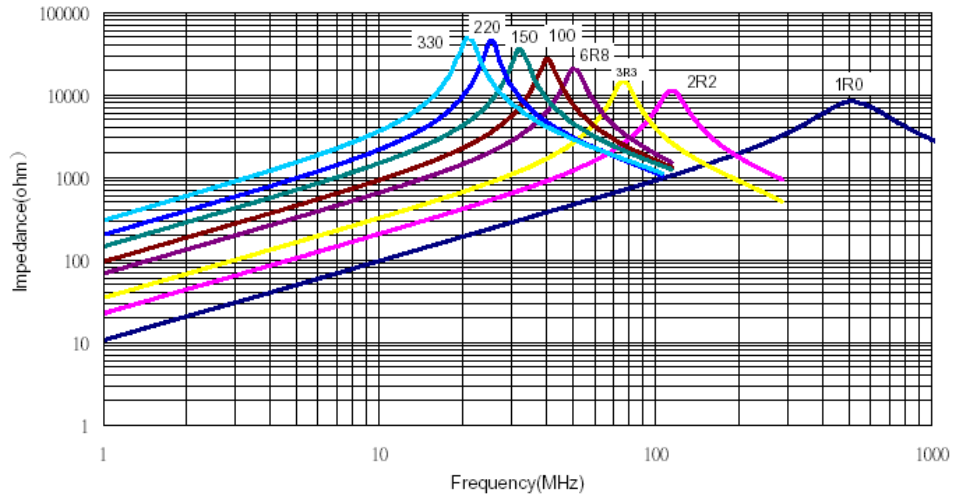
SWF	2520	C	F	-	1R0	M
A	B	C	D		E	F

A: Series
B: Dimension L x W
C: Application DC Power Line
D: Lead Free Code
E: Inductance 1R0=1.00 uH
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.
SWF2520CF-1R0□	1.00	K,M	0.5V/7.96M	12	7.96	1000	0.13	345
SWF2520CF-1R5□	1.50	K,M	0.5V/7.96M	12	7.96	850	0.17	100
SWF2520CF-2R2□	2.20	K,M	0.5V/7.96M	12	7.96	775	0.21	78
SWF2520CF-3R3□	3.30	K,M	0.5V/7.96M	12	7.96	715	0.26	48
SWF2520CF-4R7□	4.70	K,M	0.5V/7.96M	12	7.96	505	0.52	46
SWF2520CF-6R8□	6.80	K,M	0.5V/7.96M	12	7.96	432	0.72	33
SWF2520CF-8R2□	8.20	K,M	0.5V/2.52M	12	2.52	410	0.76	30
SWF2520CF-100□	10.0	K,M	0.5V/2.52M	12	2.52	392	0.86	28
SWF2520CF-150□	15.0	K,M	0.5V/2.52M	12	2.52	342	1.09	21
SWF2520CF-220□	22.0	K,M	0.5V/2.52M	12	2.52	260	1.96	18
SWF2520CF-330□	33.0	K,M	0.5V/2.52M	12	2.52	236	2.47	15


100
10
1
0.1
Inductance(uH)
330
220
150
100
6R8
3R3
2R2
1R0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
DC Current(A)


100000
10000
1000
100
10
1
Impedance(ohm)
330
220
150
100
6R8
3R3
2R2
1R0
1
10
100
1000
Frequency(MHz)