

Winding Type Chip Inductor

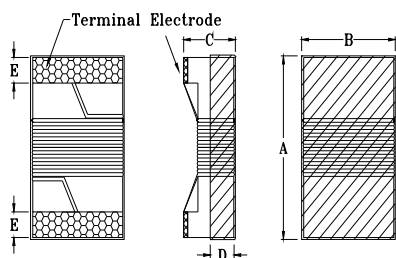
SWF2520CF-SERIES

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°C (Including self - temperature rise)



2. Dimensions



Size	A	B	C	D	E
SWF2520	2.90 max.	2.50 max.	2.10 max.	1.20 ref.	0.55±0.1.0

Unit:mm

3. Part Numbering

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

A: Series
 B: Dimension
 C: Application
 D: Lead Free Code
 E: Inductance
 F: Inductance Tolerance

L x W
 DC Power Line
 1R0=1.00 uH
 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

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	2520	2.90max	2.50max	2.10max	1.20 ref.	0.55±0.1	3.31	1.40	2.54

