

Winding Type Chip Inductor

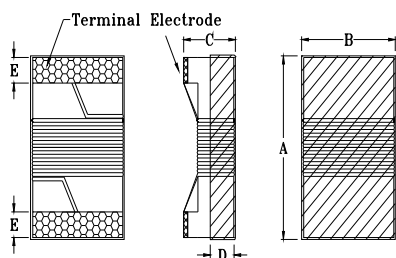
SWC252FC-SERIES

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)



2. Dimensions



Size	A	B	C	D	E
SWC252FC	2.90 max.	2.50 max.	2.10 max.	1.20 ref.	0.55±0.1

Unit:mm

3. Part Numbering

SWC	252	FC	-	1R0	K	A
A	B	C		D	E	F

A: Series

B: Dimension

LxW

C: Lead free type

D: Inductance

1R0=1.00uH

E: Inductance Tolerance

K=±10%, M=±20%

F: Control S/N

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.
SWC252FC-1R0□A	1.00	K,M	0.5V/7.96M	12	7.96	1000	0.13	345
SWC252FC-1R5□A	1.50	K,M	0.5V/7.96M	12	7.96	850	0.17	100
SWC252FC-2R2□A	2.20	K,M	0.5V/7.96M	12	7.96	775	0.21	78
SWC252FC-3R3□A	3.30	K,M	0.5V/7.96M	12	7.96	715	0.26	48
SWC252FC-4R7□A	4.70	K,M	0.5V/7.96M	12	7.96	505	0.52	46
SWC252FC-6R8□A	6.80	K,M	0.5V/7.96M	12	7.96	432	0.72	33
SWC252FC-8R2□A	8.20	K,M	0.5V/2.52M	12	2.52	410	0.76	30
SWC252FC-100□A	10.0	K,M	0.5V/2.52M	12	2.52	392	0.86	28
SWC252FC-150□A	15.0	K,M	0.5V/2.52M	12	2.52	342	1.09	21
SWC252FC-220□A	22.0	K,M	0.5V/2.52M	12	2.52	260	1.96	18
SWC252FC-330□A	33.0	K,M	0.5V/2.52M	12	2.52	236	2.47	15

5. Recommended PC Board Patte

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)
SWC	252FC	2.90max	2.50max	2.10max	1.20 ref.	0.55±0.1	3.31	1.40	2.54

