

Winding Type Chip Inductor

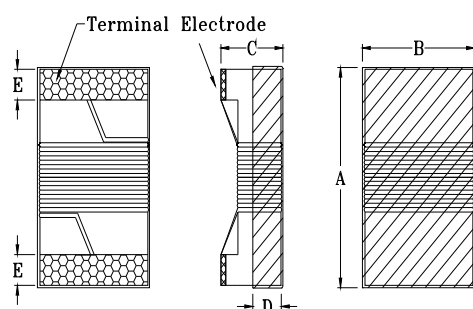
SWC32FC-SERIES

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. Dimension



Size	A	B	C	D	E
SWC32FC	3.60 max.	2.80 max.	2.60 max.	0.80 ref.	0.55±0.1

Unit:mm

3. Part Numbering

SWC	32	FC	-	1R0	K	A
A	B	C		D	E	F

A: Series
 B: Dimension
 C: Lead free type
 D: Inductance
 E: Inductance Tolerance
 F: Control S/N

LxW
 1R0=1.0uH
 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.
SWC32FC-1R0□A	1.00	K,M	0.5V/7.96M	10	7.96	1200	0.12	290
SWC32FC-1R5□A	1.50	K,M	0.5V/7.96M	10	7.96	1000	0.13	260
SWC32FC-2R2□A	2.20	K,M	0.5V/7.96M	10	7.96	880	0.17	190
SWC32FC-3R3□A	3.30	K,M	0.5V/7.96M	10	7.96	775	0.22	64
SWC32FC-4R7□A	4.70	K,M	0.5V/7.96M	10	7.96	710	0.26	54
SWC32FC-6R8□A	6.80	K,M	0.5V/7.96M	10	7.96	660	0.30	34
SWC32FC-100□A	10.0	K,M	0.5V/2.52M	10	2.52	570	0.39	25
SWC32FC-150□A	15.0	K,M	0.5V/2.52M	10	2.52	440	0.66	17
SWC32FC-220□A	22.0	K,M	0.5V/2.52M	10	2.52	400	0.82	16

TAI-TECH Part Number	Inductance (μ H)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
SWC32FC-330□A	33.0	K,M	0.5V/2.52M	10	2.52	285	1.50	12
SWC32FC-390□A	39.0	K,M	0.5V/2.52M	10	2.52	270	1.66	12
SWC32FC-470□A	47.0	K,M	0.5V/2.52M	10	2.52	260	1.90	10
SWC32FC-680□A	68.0	K,M	0.5V/2.52M	10	2.52	235	2.29	9.0
SWC32FC-101□A	100	K,M	0.5V/1M	10	1.00	190	3.48	7.0
SWC32FC-151□A	150	K,M	0.5V/1M	10	1.00	140	6.55	5.0
SWC32FC-221□A	220	K,M	0.5V/1M	10	1.00	115	8.23	4.0
SWC32FC-331□A	330	K,M	0.5V/1M	10	1.00	98	13.7	2.8
SWC32FC-471□A	470	K,M	0.5V/1M	10	1.00	86	18.1	2.6
SWC32FC-681□A	680	K,M	0.5V/1M	10	1.00	76	22.0	2.3

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	32FC	3.60max	2.80max	2.60max	0.80 ref.	0.55±0.1	3.82	2.00	2.80

