

Winding Type Chip Inductor

SNL453232CF-SERIES

1. Features

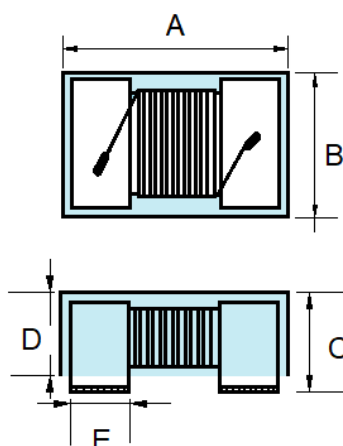
1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
5. Operating temperature -40~+125°C (Including self - temperature rise)



2. Application

Smart meters, AV equipment, xDSL, electronic devices for communications infrastructure such as mobile base stations, industrial equipment, other

3. Dimension



Size	A	B	C	D	E
SNL453232	4.50±0.30	3.20±0.30	3.20±0.20	2.50 ref	0.60 ref

Unit:mm

4. Part Numbering

SNL	453232	C	F	-	1R0	K
A	B	C	D		E	F

A: Series

B: Dimension

L x W x H

C: Application

DC Power Line

D: Lead free type

E: Inductance

1R0=1.0uH

F: Inductance Tolerance

K=±10%

5. Specification

TAI-TECH Part Number	Inductance (μ H)	Tolerance	L / Q Frequency (MHz)	Q ref	SRF(MHz) ref	DCR(Ω) Max	IDC(A) Max
SNL453232CF-1R0□	1.0	K	7.96	10	110	0.11	1.30
SNL453232CF-2R2□	2.2	K	7.96	10	60	0.15	1.00
SNL453232CF-3R3□	3.3	K	7.96	10	50	0.19	0.90
SNL453232CF-4R7□	4.7	K	7.96	10	40	0.22	0.80
SNL453232CF-5R6□	5.6	K	7.96	10	38	0.26	0.75
SNL453232CF-6R8□	6.8	K	7.96	10	36	0.30	0.70
SNL453232CF-8R2□	8.2	K	7.96	10	30	0.33	0.67
SNL453232CF-100□	10	K	2.52	10	25	0.43	0.65
SNL453232CF-150□	15	K	2.52	10	20	0.50	0.60
SNL453232CF-220□	22	K	2.52	10	15	0.70	0.45
SNL453232CF-330□	33	K	2.52	10	13	1.20	0.40
SNL453232CF-470□	47	K	2.52	10	11	1.35	0.35
SNL453232CF-560□	56	K	2.52	10	10	2.00	0.30
SNL453232CF-680□	68	K	2.52	10	8	2.50	0.25
SNL453232CF-820□	82	K	2.52	10	7	3.00	0.22
SNL453232CF-101□	100	K	0.796	20	6.5	3.50	0.20
SNL453232CF-151□	150	K	0.796	20	6.1	6.00	0.16
SNL453232CF-221□	220	K	0.796	20	4.5	7.50	0.13
SNL453232CF-331□	330	K	0.796	20	4.1	11.00	0.12
SNL453232CF-471□	470	K	0.796	20	3.5	15.00	0.10
SNL453232CF-561□	560	K	0.796	20	3.0	20.00	0.09
SNL453232CF-681□	680	K	0.796	20	2.6	23.00	0.08
SNL453232CF-821□	820	K	0.796	20	2.4	27.00	0.08
SNL453232CF-102□	1000	K	0.252	20	2.3	30.00	0.07

6. Recommended PC Board Pattern

Land Patterns For Reflow Soldering								
Series	Type	A(mm)	B(mm)	C(mm)	E(mm)	L(mm)	G(mm)	H(mm)
SNL	453232	4.50±0.3	3.20±0.3	3.20±0.2	0.65 ref	5.80	3.20	3.60

