Winding Type Chip Inductor

SNL453232CO-SERIES

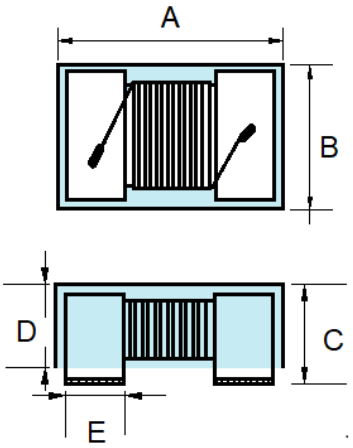
1. Features

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℃(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	O	-	1R0	K
A	B	C	D		E	F

A: Series
B: Dimension L x W x H
C: Application DC Power Line
D: Category Code Industrial Grade
E: Inductance 1R0=1.0uH
F: Inductance Tolerance K=±10%

5. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance	L / Q Frequency (MHz)	Q ref.	SRF (MHz) ref.	DCR (Ω) max.	IDC (A) max.
SNL453232CO-1R0□	1.0	K	7.96	10	110	0.11	1.30
SNL453232CO-2R2□	2.2	K	7.96	10	60	0.15	1.00
SNL453232CO-3R3□	3.3	K	7.96	10	50	0.19	0.90
SNL453232CO-4R7□	4.7	K	7.96	10	40	0.22	0.80
SNL453232CO-5R6□	5.6	K	7.96	10	38	0.26	0.75
SNL453232CO-6R8□	6.8	K	7.96	10	36	0.30	0.70
SNL453232CO-8R2□	8.2	K	7.96	10	30	0.33	0.67
SNL453232CO-100□	10	K	2.52	10	25	0.43	0.65
SNL453232CO-150□	15	K	2.52	10	20	0.50	0.60
SNL453232CO-220□	22	K	2.52	10	15	0.70	0.45
SNL453232CO-330□	33	K	2.52	10	13	1.20	0.40
SNL453232CO-470□	47	K	2.52	10	11	1.35	0.35
SNL453232CO-560□	56	K	2.52	10	10	2.00	0.30
SNL453232CO-680□	68	K	2.52	10	8	2.50	0.25
SNL453232CO-820□	82	K	2.52	10	7	3.00	0.22
SNL453232CO-101□	100	K	0.796	20	6.5	3.50	0.20
SNL453232CO-151□	150	K	0.796	20	6.1	6.00	0.16
SNL453232CO-221□	220	K	0.796	20	4.5	7.50	0.13
SNL453232CO-331□	330	K	0.796	20	4.1	11.00	0.12
SNL453232CO-471□	470	K	0.796	20	3.5	15.00	0.10
SNL453232CO-561□	560	K	0.796	20	3.0	20.00	0.09
SNL453232CO-681□	680	K	0.796	20	2.6	23.00	0.08
SNL453232CO-821□	820	K	0.796	20	2.4	27.00	0.08
SNL453232CO-102□	1000	K	0.252	20	2.3	30.00	0.07

Note:

- All test data referenced to 25℃ ambient.
- DC current at 25°C that causes the specified inductance drop from its value without current.
- Current that causes the specified temperature rise from 25°C ambient.

This information is for reference only and does not represent absolute maximum ratings.

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

