Winding Type Chip Inductor

SNL322522CO-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).

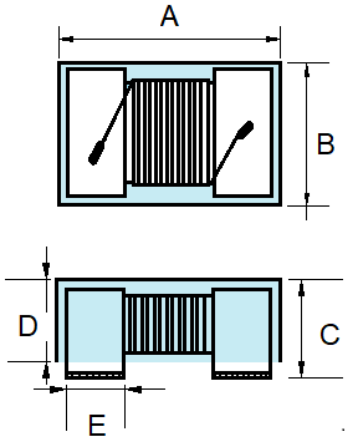
Halogen-free

RoHS

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
SNL322522	3.20±0.30	2.50±0.30	2.20±0.20	1.80±0.10.	0.55 ref

Unit: mm

4. Part Numbering

SNL	322522	C	O	-	1R0	M
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%, M=±20%

5. Specification

TAI-TECH Part Number	Inductance (uH)	L / Q Frequency (MHz)	Q ref.	SRF (MHz) ref.	DCR (Ω)±20%	IDC1 (A)max.	IDC2 (A)max.
SNL322522CO-1R0M	1.0±20%	7.96	15	300	0.055	1.000	1.700
SNL322522CO-1R5M	1.5±20%	7.96	15	200	0.095	0.830	1.400
SNL322522CO-2R2M	2.2±20%	7.96	15	100	0.115	0.770	1.200
SNL322522CO-3R3M	3.3±20%	7.96	15	80	0.160	0.690	1.000

TAI-TECH Part Number	Inductance (uH)	L / Q Frequency (MHz)	Q ref.	SRF (MHz) ref.	DCR (Ω)±20%	IDC1 (A)max.	IDC2 (A)max.
SNL322522CO-4R7M	4.7±20%	7.96	15	70	0.200	0.620	0.900
SNL322522CO-6R8M	6.8±20%	7.96	15	38	0.270	0.530	0.700
SNL322522CO-100K	10±10%	2.52	15	30	0.360	0.450	0.600
SNL322522CO-150K	15±10%	2.52	15	26	0.560	0.390	0.500
SNL322522CO-220K	22±10%	2.52	15	21	0.770	0.300	0.400
SNL322522CO-330K	33±10%	2.52	15	17	1.100	0.240	0.350
SNL322522CO-470K	47±10%	2.52	15	14	1.640	0.180	0.250
SNL322522CO-680K	68±10%	2.52	15	12	2.800	0.140	0.200
SNL322522CO-101K	100±10%	0.796	20	10	3.700	0.120	0.150
SNL322522CO-151K	150±10%	0.796	20	8	6.100	0.100	0.125
SNL322522CO-221K	220±10%	0.796	20	7	8.400	0.080	0.100
SNL322522CO-331K	330±10%	0.796	20	6	12.300	0.070	0.090

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

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)
SNL	322522	3.20±0.3	2.50±0.3	2.20±0.2	1.80±0.1	0.55 ref	4.40	2.00	2.00

