

Winding Type Chip Inductor

SNL322522CF-SERIES

1. Features

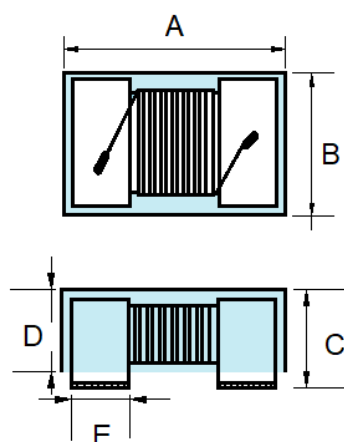
1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
5. Operating temperature-40~+125°C (Including self - temperature rise)



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
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	F	-	1R0	M
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%, 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
SNL322522CF-1R0M	1.0±20%	7.96	15	300	0.055	1.000	1.700
SNL322522CF-1R5M	1.5±20%	7.96	15	200	0.095	0.830	1.400
SNL322522CF-2R2M	2.2±20%	7.96	15	100	0.115	0.770	1.200
SNL322522CF-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
SNL322522CF-4R7M	4.7±20%	7.96	15	70	0.200	0.620	0.900
SNL322522CF-6R8M	6.8±20%	7.96	15	38	0.270	0.530	0.700
SNL322522CF-100K	10±10%	2.52	15	30	0.360	0.450	0.600
SNL322522CF-150K	15±10%	2.52	15	26	0.560	0.390	0.500
SNL322522CF-220K	22±10%	2.52	15	21	0.770	0.300	0.400
SNL322522CF-330K	33±10%	2.52	15	17	1.100	0.240	0.350
SNL322522CF-470K	47±10%	2.52	15	14	1.640	0.180	0.250
SNL322522CF-680K	68±10%	2.52	15	12	2.800	0.140	0.200
SNL322522CF-101K	100±10%	0.796	20	10	3.700	0.120	0.150
SNL322522CF-151K	150±10%	0.796	20	8	6.100	0.100	0.125
SNL322522CF-221K	220±10%	0.796	20	7	8.400	0.080	0.100
SNL322522CF-331K	330±10%	0.796	20	6	12.300	0.070	0.090

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

