

Winding Type Chip Inductor

SNLU322522CV-SERIES

1. Features

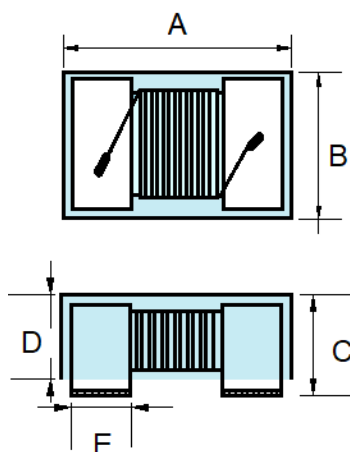
1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
5. High reliability -Reliability tests comply with AEC-Q200
6. Operating temperature-40~+125°C (Including self - temperature rise)



2. Application

- a. Vehicle accessories (car navigation systems, car audio, ETC, other).
- b. 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
SNLU322522	3.20±0.30	2.50±0.30	2.20±0.20	1.80±0.10	0.55 ref

Unit:mm

4. Part Numbering

SNLU	322522	C	V	-	1R0	M
A	B	C	D		E	F

A: Series
 B: Dimension L x WxH
 C: Application DC Power Line
 D: Category Code V=Vehicle
 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
SNLU322522CV-1R0M	1.0±20%	7.96	15	300	0.055	1.000	1.700
SNLU322522CV-1R5M	1.5±20%	7.96	15	200	0.095	0.830	1.400
SNLU322522CV-2R2M	2.2±20%	7.96	15	100	0.115	0.770	1.200
SNLU322522CV-3R3M	3.3±20%	7.96	15	80	0.160	0.690	1.000

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SNLU322522CV-4R7M	4.7±20%	7.96	15	70	0.200	0.620	0.900
SNLU322522CV-6R8M	6.8±20%	7.96	15	38	0.270	0.530	0.700
SNLU322522CV-100K	10±10%	2.52	15	30	0.360	0.450	0.600
SNLU322522CV-150K	15±10%	2.52	15	26	0.560	0.390	0.500
SNLU322522CV-220K	22±10%	2.52	15	21	0.770	0.300	0.400
SNLU322522CV-330K	33±10%	2.52	15	17	1.100	0.240	0.350
SNLU322522CV-470K	47±10%	2.52	15	14	1.640	0.180	0.250
SNLU322522CV-680K	68±10%	2.52	15	12	2.800	0.140	0.200
SNLU322522CV-101K	100±10%	0.796	20	10	3.700	0.120	0.150
SNLU322522CV-151K	150±10%	0.796	20	8	6.100	0.100	0.125
SNLU322522CV-221K	220±10%	0.796	20	7	8.400	0.080	0.100
SNLU322522CV-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)
SNLU	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

