

Winding Type Chip Inductor

SNLU453232CV-SERIES

1. Features

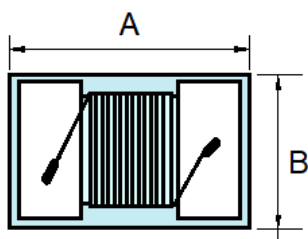
1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
5. High reliability -Reliability tests comply with AEC-Q200
6. Operating temperature-40~+125°C(Including self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



2. Application

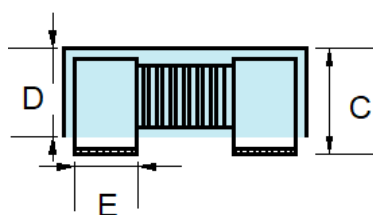
1. Filtering of supply voltages, coupling, decoupling
2. Antenna systems
3. Automotive electronics
4. Telecommunications
5. Industrial electronics

3. Dimension



Size	A	B	C	D	E
SNLU453232	4.50±0.30	3.20±0.30	3.20±0.20	2.50 ref	0.60 ref

Unit:mm



4. Part Numbering

SNLU
453232
C
V
-
102
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 102=1000uH

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
SNLU453232CV-1R0□	1.0	K	7.96	10	110	0.11	1.30
SNLU453232CV-2R2□	2.2	K	7.96	10	60	0.15	1.00
SNLU453232CV-3R3□	3.3	K	7.96	10	50	0.19	0.90
SNLU453232CV-4R7□	4.7	K	7.96	10	40	0.22	0.80
SNLU453232CV-5R6□	5.6	K	7.96	10	38	0.26	0.75
SNLU453232CV-6R8□	6.8	K	7.96	10	36	0.30	0.70
SNLU453232CV-8R2□	8.2	K	7.96	10	30	0.33	0.67
SNLU453232CV-100□	10	K	2.52	10	25	0.43	0.65
SNLU453232CV-150□	15	K	2.52	10	20	0.50	0.60
SNLU453232CV-220□	22	K	2.52	10	15	0.70	0.45
SNLU453232CV-330□	33	K	2.52	10	13	1.20	0.40
SNLU453232CV-470□	47	K	2.52	10	11	1.35	0.35
SNLU453232CV-560□	56	K	2.52	10	10	2.00	0.30
SNLU453232CV-680□	68	K	2.52	10	8	2.50	0.25
SNLU453232CV-820□	82	K	2.52	10	7	3.00	0.22
SNLU453232CV-101□	100	K	0.796	20	6.5	3.50	0.20
SNLU453232CV-151□	150	K	0.796	20	6.1	6.00	0.16
SNLU453232CV-221□	220	K	0.796	20	4.5	7.50	0.13
SNLU453232CV-331□	330	K	0.796	20	4.1	11.00	0.12
SNLU453232CV-471□	470	K	0.796	20	3.5	15.00	0.10
SNLU453232CV-561□	560	K	0.796	20	3.0	20.00	0.09
SNLU453232CV-681□	680	K	0.796	20	2.6	23.00	0.08
SNLU453232CV-821□	820	K	0.796	20	2.4	27.00	0.08
SNLU453232CV-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)	D(mm)	E(mm)	L(mm)	G(mm)	H(mm)
SNLU	453232	4.50±0.3	3.20±0.3	3.20±0.2	2.50 ref	0.60 ref	5.80	3.20	3.60

