

Winding Type Chip Inductor

SNLU453232QV-SERIES

1. Features

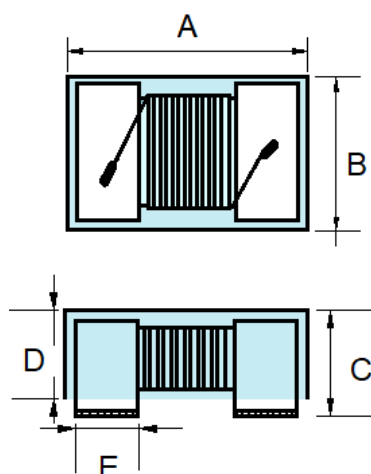
1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
5. High reliability -Reliability tests comply with AEC-Q200
6. Operating temperature-40~+125°C (Including self - 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	Q	V	-	102	J
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

J=±5%, K=±10%

5. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance	Test Frequency (MHz)	Q Typ.	Test Frequency (MHz)	SRF(MHz) min	DCR Max	IDC(A) Max
SNLU453232QV-1R0□	1.0	K	1	40	7.96	200	0.28	0.600
SNLU453232QV-2R2□	2.2	K	1	40	7.96	90	0.43	0.480
SNLU453232QV-3R3□	3.3	K	1	40	7.96	60	0.55	0.430
SNLU453232QV-4R7□	4.7	K	1	40	7.96	40	0.65	0.390
SNLU453232QV-6R8□	6.8	K	1	40	7.96	35	0.78	0.360
SNLU453232QV-8R2□	8.2	K	1	40	7.96	30	0.92	0.330
SNLU453232QV-100□	10	K	1	40	7.96	28	0.98	0.320
SNLU453232QV-150□	15	K	0.1	30	2.52	21	1.25	0.280
SNLU453232QV-220□	22	K	0.1	30	2.52	16	1.45	0.260
SNLU453232QV-330□	33	J,K	0.1	30	2.52	13	1.85	0.230
SNLU453232QV-470□	47	J,K	0.1	30	2.52	12	2.30	0.210
SNLU453232QV-560□	56	J,K	0.1	30	2.52	11	2.50	0.200
SNLU453232QV-680□	68	J,K	0.1	30	2.52	10	2.80	0.190
SNLU453232QV-820□	82	J,K	0.1	30	2.52	9	3.20	0.175
SNLU453232QV-101□	100	J,K	0.1	30	0.796	8	4.70	0.145
SNLU453232QV-151□	150	J,K	0.1	30	0.796	8	6.10	0.130
SNLU453232QV-221□	220	J,K	0.1	30	0.796	6	7.50	0.115
SNLU453232QV-331□	330	J,K	0.1	30	0.796	4.5	14.10	0.085
SNLU453232QV-471□	470	J,K	0.1	30	0.796	4.0	17.50	0.075
SNLU453232QV-561□	560	J,K	0.1	30	0.796	3.5	23.00	0.070
SNLU453232QV-681□	680	J,K	0.1	30	0.796	3.3	25.00	0.065
SNLU453232QV-821□	820	J,K	0.1	30	0.796	3.0	28.00	0.060
SNLU453232QV-102□	1000	J,K	0.1	30	0.796	2.8	32.00	0.055

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

