

Winding Type Chip Inductor

SNLU252018QV-SERIES

1. Features

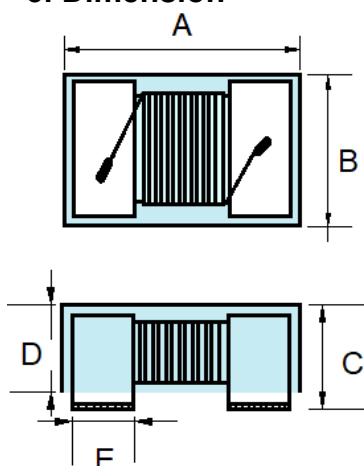
1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
5. High reliability -Reliability tests comply with AEC-Q200
6. Operating temperature-40~+125℃ (Including self - 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
SNLU252018	2.50±0.30	2.00±0.30	1.80±0.10	1.50±0.10	0.45ref

Unit:mm

4. Part Numbering

SNLU	252018	Q	V	-	1R0	K
A	B	C	D		E	F

A: Series

B: Dimension

C: Application

D: Category Code

E: Inductance

F: Inductance Tolerance

L x WxH

For Signal Use

V=Vehicle

1R0=1.0uH

J=±5%, K=±10%

5. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance	Q ref.	L / Q Frequency (MHz)	SRF(MHz) ref	DCR(Ω) Max	IDC(A) Max
SNLU252018QV-10N□	0.010	J,K	15	100	2150	0.26	0.530
SNLU252018QV-12N□	0.012	J,K	15	100	2050	0.27	0.500
SNLU252018QV-15N□	0.015	J,K	15	100	2000	0.29	0.480
SNLU252018QV-18N□	0.018	J,K	15	100	1850	0.31	0.450
SNLU252018QV-22N□	0.022	J,K	15	100	1650	0.37	0.420

TAI-TECH Part Number	Inductance (uH)	Tolerance	Q ref.	L / Q Frequency (MHz)	SRF(MHz) ref	DCR(Ω) Max	IDC(A) Max
SNLU252018QV-27N□	0.027	J,K	15	100	1550	0.40	0.410
SNLU252018QV-33N□	0.033	J,K	20	100	1450	0.42	0.400
SNLU252018QV-39N□	0.039	J,K	20	100	1350	0.45	0.380
SNLU252018QV-47N□	0.047	J,K	20	100	1200	0.50	0.360
SNLU252018QV-56N□	0.056	J,K	20	100	1100	0.60	0.340
SNLU252018QV-68N□	0.068	J,K	20	100	1050	0.65	0.320
SNLU252018QV-82N□	0.082	J,K	20	100	900	0.75	0.300
SNLU252018QV-R10□	0.10	J,K	20	100	800	0.80	0.280
SNLU252018QV-R12□	0.12	J,K	30	25.2	700	0.30	0.550
SNLU252018QV-R22□	0.22	J,K	30	25.2	450	0.50	0.450
SNLU252018QV-R27□	0.27	J,K	30	25.2	425	0.55	0.425
SNLU252018QV-R33□	0.33	J,K	30	25.2	400	0.60	0.400
SNLU252018QV-R47□	0.47	J,K	30	25.2	350	0.68	0.400
SNLU252018QV-R56□	0.56	J,K	30	25.2	325	0.75	0.400
SNLU252018QV-R82□	0.82	J,K	30	25.2	260	1.00	0.300
SNLU252018QV-1R0□	1.00	J,K	30	7.96	245	1.10	0.245
SNLU252018QV-1R2□	1.20	J,K	30	7.96	230	1.20	0.230
SNLU252018QV-1R5□	1.50	J,K	30	7.96	182	1.30	0.220
SNLU252018QV-2R2□	2.20	J,K	30	7.96	105	1.55	0.200
SNLU252018QV-3R3□	3.30	J,K	30	7.96	55	1.90	0.185
SNLU252018QV-4R7□	4.70	J,K	30	7.96	43	2.30	0.175
SNLU252018QV-5R6□	5.60	J,K	25	7.96	42	2.50	0.170
SNLU252018QV-6R8□	6.80	J,K	25	7.96	39	2.70	0.165
SNLU252018QV-8R2□	8.20	J,K	25	7.96	36	3.05	0.160
SNLU252018QV-100□	10.0	J,K	25	2.52	33	3.50	0.155
SNLU252018QV-150□	15.0	J,K	25	2.52	26	4.80	0.140
SNLU252018QV-220□	22.0	J,K	25	2.52	22	5.50	0.125
SNLU252018QV-270□	27.0	J,K	25	2.52	21	6.30	0.115
SNLU252018QV-330□	33.0	J,K	25	2.52	20	7.10	0.110
SNLU252018QV-470□	47.0	J,K	20	2.52	17	11.10	0.080
SNLU252018QV-560□	56.0	J,K	20	2.52	16	12.10	0.075
SNLU252018QV-680□	68.0	J,K	20	2.52	15	16.60	0.070
SNLU252018QV-820□	82.0	J,K	20	2.52	13	19.00	0.066
SNLU252018QV-101□	100	J,K	15	0.796	12	21.00	0.060

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	252018	2.50±0.3	2.10±0.3	1.80±0.1	1.50±0.1	0.45ref	3.50	1.50	1.50

