

Winding Type Chip Inductor

SNL322522QF-SERIES

1. Features

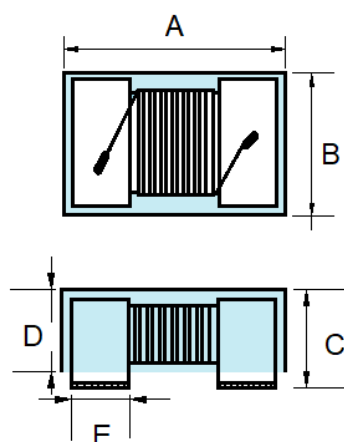
1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
5. Operating temperature-40~+125°C (Including self - temperature rise)



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	Q	F	-	1R0	K
A	B	C	D		E	F

A: Series

B: Dimension

L x WxH

C: Application

D: Lead free type

E: Inductance

1R0=1.0uH

F: Inductance Tolerance

J=±5%, 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
SNL322522QF-10N□	0.010	J,K	100	15	2500	0.13	0.450
SNL322522QF-12N□	0.012	J,K	100	17	2300	0.14	0.450
SNL322522QF-15N□	0.015	J,K	100	19	2100	0.16	0.450
SNL322522QF-18N□	0.018	J,K	100	21	1900	0.18	0.450
SNL322522QF-22N□	0.022	J,K	100	23	1700	0.22	0.450

TAI-TECH Part Number	Inductance (uH)	Tolerance	L / Q Frequency (MHz)	Q Ref.	SRF (MHz) ref.	DCR (Ω)Max	IDC(A) Max
SNL322522QF-27N□	0.027	J,K	100	23	1500	0.22	0.450
SNL322522QF-33N□	0.033	J,K	100	25	1400	0.24	0.450
SNL322522QF-39N□	0.039	J,K	100	25	1300	0.27	0.450
SNL322522QF-47N□	0.047	J,K	100	26	1200	0.30	0.450
SNL322522QF-56N□	0.056	J,K	100	26	1100	0.33	0.450
SNL322522QF-68N□	0.068	J,K	100	27	1000	0.36	0.450
SNL322522QF-82N□	0.082	J,K	100	28	900	0.40	0.450
SNL322522QF-R10□	0.10	J,K	100	28	700	0.44	0.450
SNL322522QF-R12□	0.12	J,K	25.2	30	500	0.22	0.450
SNL322522QF-R15□	0.15	J,K	25.2	30	450	0.25	0.450
SNL322522QF-R22□	0.22	J,K	25.2	30	350	0.32	0.450
SNL322522QF-R27□	0.27	J,K	25.2	30	320	0.36	0.450
SNL322522QF-R33□	0.33	J,K	25.2	30	300	0.40	0.450
SNL322522QF-R47□	0.47	J,K	25.2	30	220	0.50	0.450
SNL322522QF-R56□	0.56	J,K	25.2	30	180	0.55	0.450
SNL322522QF-R68□	0.68	J,K	25.2	30	160	0.60	0.450
SNL322522QF-R82□	0.82	J,K	25.2	30	140	0.65	0.450
SNL322522QF-1R0□	1.0	J,K	7.96	30	120	0.70	0.400
SNL322522QF-1R5□	1.5	J,K	7.96	30	85	0.85	0.370
SNL322522QF-2R2□	2.2	J,K	7.96	30	75	1.0	0.320
SNL322522QF-3R3□	3.3	J,K	7.96	30	60	1.2	0.260
SNL322522QF-4R7□	4.7	J,K	7.96	30	50	1.5	0.220
SNL322522QF-5R6□	5.6	J,K	7.96	30	45	1.6	0.200
SNL322522QF-6R8□	6.8	J,K	7.96	30	40	1.8	0.180
SNL322522QF-8R2□	8.2	J,K	7.96	30	30	2.0	0.170
SNL322522QF-100□	10	J,K	2.52	25	30	2.1	0.150
SNL322522QF-220□	22	J,K	2.52	25	20	3.7	0.110
SNL322522QF-330□	33	J,K	2.52	25	17	5.6	0.070
SNL322522QF-470□	47	J,K	2.52	25	15	7.0	0.060
SNL322522QF-680□	68	J,K	2.52	25	12	9.0	0.050
SNL322522QF-820□	82	J,K	2.52	25	11	10.0	0.045
SNL322522QF-101□	100	J,K	0.796	20	10	10.0	0.040
SNL322522QF-121□	120	J,K	0.796	20	10	11.0	0.040
SNL322522QF-151□	150	J,K	0.796	20	10	11.0	0.065

TAI-TECH Part Number	Inductance (uH)	Tolerance	L / Q Frequency (MHz)	Q Ref.	SRF (MHz) ref.	DCR (Ω)Max	IDC(A) Max
SNL322522QF-181□	180	J,K	0.796	20	7	17.0	0.060
SNL322522QF-221□	220	J,K	0.796	20	7	21.0	0.050
SNL322522QF-271□	270	J,K	0.796	20	6	28.0	0.045
SNL322522QF-331□	330	J,K	0.796	20	5	34.0	0.040
SNL322522QF-391□	390	J,K	0.796	20	5	38.0	0.035
SNL322522QF-471□	470	J,K	0.796	20	4	40.0	0.025

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

