

Winding Type Chip Inductor

SNL252018QF-SERIES

1. Features

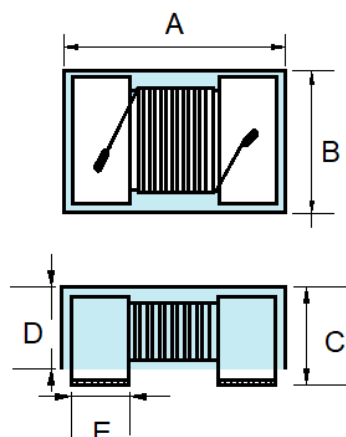
1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
5. Operating temperature -40~+125℃ (Including self - temperature rise)



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
SNL252018	2.50±0.30	2.00±0.30	1.80±0.10	1.50±0.10	0.45ref

Unit:mm

4. Part Numbering

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

A: Series

B: Dimension

C: Application

D: Lead free type

E: Inductance

F: Inductance Tolerance

L x WxH

For Signal Use

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
SNL252018QF-10N□	0.010	J,K	15	100	2150	0.26	0.530
SNL252018QF-12N□	0.012	J,K	15	100	2050	0.27	0.500
SNL252018QF-15N□	0.015	J,K	15	100	2000	0.29	0.480
SNL252018QF-18N□	0.018	J,K	15	100	1850	0.31	0.450
SNL252018QF-22N□	0.022	J,K	15	100	1650	0.37	0.420

TAI-TECH Part Number	Inductance (μ H)	Tolerance	Q ref.	L / Q Frequency (MHz)	SRF(MHz) ref	DCR(Ω) Max	IDC(A) Max
SNL252018QF-27N□	0.027	J,K	15	100	1550	0.40	0.410
SNL252018QF-33N□	0.033	J,K	20	100	1450	0.42	0.400
SNL252018QF-39N□	0.039	J,K	20	100	1350	0.45	0.380
SNL252018QF-47N□	0.047	J,K	20	100	1200	0.50	0.360
SNL252018QF-56N□	0.056	J,K	20	100	1100	0.60	0.340
SNL252018QF-68N□	0.068	J,K	20	100	1050	0.65	0.320
SNL252018QF-82N□	0.082	J,K	20	100	900	0.75	0.300
SNL252018QF-R10□	0.10	J,K	20	100	800	0.80	0.280
SNL252018QF-R12□	0.12	J,K	30	25.2	700	0.30	0.550
SNL252018QF-R22□	0.22	J,K	30	25.2	450	0.50	0.450
SNL252018QF-R27□	0.27	J,K	30	25.2	425	0.55	0.425
SNL252018QF-R33□	0.33	J,K	30	25.2	400	0.60	0.400
SNL252018QF-R47□	0.47	J,K	30	25.2	350	0.68	0.400
SNL252018QF-R56□	0.56	J,K	30	25.2	325	0.75	0.400
SNL252018QF-R82□	0.82	J,K	30	25.2	260	1.00	0.300
SNL252018QF-1R0□	1.00	J,K	30	7.96	245	1.10	0.245
SNL252018QF-1R2□	1.20	J,K	30	7.96	230	1.20	0.230
SNL252018QF-2R2□	2.20	J,K	30	7.96	105	1.55	0.200
SNL252018QF-3R3□	3.30	J,K	30	7.96	55	1.90	0.185
SNL252018QF-4R7□	4.70	J,K	30	7.96	43	2.30	0.175
SNL252018QF-5R6□	5.60	J,K	25	7.96	42	2.50	0.170
SNL252018QF-6R8□	6.80	J,K	25	7.96	39	2.70	0.165
SNL252018QF-8R2□	8.20	J,K	25	7.96	36	3.05	0.160
SNL252018QF-100□	10.0	J,K	25	2.52	33	3.50	0.155
SNL252018QF-150□	15.0	J,K	25	2.52	26	4.80	0.140
SNL252018QF-220□	22.0	J,K	25	2.52	22	5.50	0.125
SNL252018QF-270□	27.0	J,K	25	2.52	21	6.30	0.115
SNL252018QF-330□	33.0	J,K	25	2.52	20	7.10	0.110
SNL252018QF-470□	47.0	J,K	20	2.52	17	11.10	0.080
SNL252018QF-560□	56.0	J,K	20	2.52	16	12.10	0.075
SNL252018QF-680□	68.0	J,K	20	2.52	15	16.60	0.070
SNL252018QF-820□	82.0	J,K	20	2.52	13	19.00	0.066
SNL252018QF-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)
SNL	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

