

Winding Type Chip Inductor

SNL453232QF-SERIES

1. Features

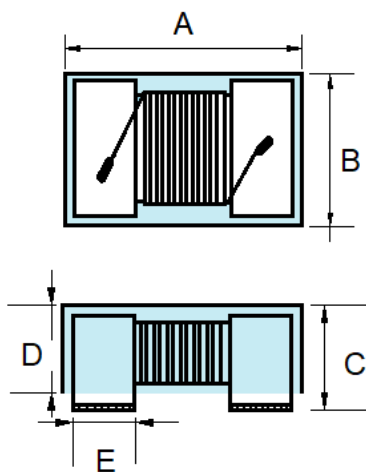
1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
5. Operating temperature -40~+125°C (Including self - temperature rise)



2. Application

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

3. Dimension



Size	A	B	C	D	E
SNL453232	4.50±0.30	3.20±0.30	3.20±0.20	2.50 ref	0.60 ref

Unit:mm

4. Part Numbering

SNL	453232	Q	F	-	102	J
A	B	C	D		E	F

A: Series

B: Dimension

C: Application

D: Lead free type

E: Inductance

F: Inductance Tolerance

L x W x H

DC Power Line

102=1000uH

J=±5%

5. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance	Test Frequency (MHz)	Q Typ.	Test Frequency (MHz)	SRF (MHz) min	DCR (Ω) Max.	IDC(A) Max.
SNL453232QF-1R0□	1.0	K	1	40	7.96	200	0.28	0.600
SNL453232QF-2R2□	2.2	K	1	40	7.96	90	0.43	0.480
SNL453232QF-3R3□	3.3	K	1	40	7.96	60	0.55	0.430
SNL453232QF-4R7□	4.7	K	1	40	7.96	40	0.65	0.390
SNL453232QF-6R8□	6.8	K	1	40	7.96	35	0.78	0.360
SNL453232QF-8R2□	8.2	K	1	40	7.96	30	0.92	0.330
SNL453232QF-100□	10	K	1	40	7.96	28	0.98	0.320
SNL453232QF-150□	15	K	0.1	30	2.52	21	1.25	0.280
SNL453232QF-220□	22	K	0.1	30	2.52	16	1.45	0.260
SNL453232QF-330□	33	J,K	0.1	30	2.52	13	1.85	0.230
SNL453232QF-470□	47	J,K	0.1	30	2.52	12	2.30	0.210
SNL453232QF-560□	56	J,K	0.1	30	2.52	11	2.50	0.200
SNL453232QF-680□	68	J,K	0.1	30	2.52	10	2.80	0.190
SNL453232QF-820□	82	J,K	0.1	30	2.52	9	3.20	0.175
SNL453232QF-101□	100	J,K	0.1	30	0.796	8	4.70	0.145
SNL453232QF-151□	150	J,K	0.1	30	0.796	8	6.10	0.130
SNL453232QF-221□	220	J,K	0.1	30	0.796	6	7.50	0.115
SNL453232QF-331□	330	J,K	0.1	30	0.796	4.5	14.10	0.085
SNL453232QF-471□	470	J,K	0.1	30	0.796	4.0	17.50	0.075
SNL453232QF-561□	560	J,K	0.1	30	0.796	3.5	23.00	0.070
SNL453232QF-681□	680	J,K	0.1	30	0.796	3.3	25.00	0.065
SNL453232QF-821□	820	J,K	0.1	30	0.796	3.0	28.00	0.060
SNL453232QF-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)
SNL	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

