High Frequency Winding Type Chip Inductor SWI0402F-SERIES-PR

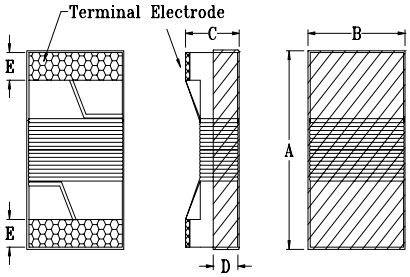
1. Features

1. Ceramic core wire wound construction.
2. No batch to batch variations in inductance, SRF and Q that are present in ferrite inductors.
3. High Reliability due to ceramic wire wound construction.
4. High frequency application.
5. Small footprint as well as low profile.
6. 100% Lead(Pb) & Halogen-Free and RoHS compliant.

Halogen-free

Pb-free

2. Dimensions



Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
SWI0402	1.09±0.1	0.60±0.1	0.56±0.1	0.20±0.15	0.23±0.1

Unit:mm

3. Part Numbering

SWI	0402	F	-	1N0	S	PR
A	B	C		D	E	F

A: Series
B: Dimension LxW
C: Material Ceramic
D: Inductance 1N0=1.0nH
E: Inductance Tolerance S=±0.3nH . J=±5%, K=±10% .
F: Packaging PR=Paper Tape & Reel

4. Specification

Part Number	Inductance (nH)	Tolerance	Q min.	Test Frequency (Hz)	I rms (mA) max.	DCR (Ω) max.	SRF (GHz) min.
SWI0402F-1N0□PR	1.0	S	16	0.1V/250M	1360	0.045	12.7
SWI0402F-1N9□PR	1.9	S	16	0.1V/250M	1040	0.070	11.30
SWI0402F-2N0□PR	2.0	S	16	0.1V/250M	1040	0.070	11.10
SWI0402F-2N2□PR	2.2	S	19	0.1V/250M	960	0.070	10.80
SWI0402F-2N4□PR	2.4	S	15	0.1V/250M	790	0.068	10.50
SWI0402F-2N7□PR	2.7	S	16	0.1V/250M	640	0.120	10.40
SWI0402F-3N3□PR	3.3	S	19	0.1V/250M	840	0.066	7.00
SWI0402F-3N6□PR	3.6	S	19	0.1V/250M	840	0.066	6.80
SWI0402F-3N9□PR	3.9	S	19	0.1V/250M	840	0.066	6.00
SWI0402F-4N3□PR	4.3	S	18	0.1V/250M	700	0.091	6.00
SWI0402F-4N7□PR	4.7	S	15	0.1V/250M	640	0.130	4.77
SWI0402F-5N1□PR	5.1	S	20	0.1V/250M	800	0.083	4.80
SWI0402F-5N6□PR	5.6	S	20	0.1V/250M	760	0.083	4.80
SWI0402F-6N2□PR	6.2	S	20	0.1V/250M	760	0.083	4.80
SWI0402F-6N8□PR	6.8	S	20	0.1V/250M	680	0.083	4.80

Part Number	Inductance (nH)	Tolerance	Q min.	Test Frequency (Hz)	I rms (mA) max.	DCR (Ω) max.	SRF (GHz) min.
SWI0402F-7N5□PR	7.5	S	22	0.1V/250M	680	0.100	4.80
SWI0402F-8N2□PR	8.2	S	22	0.1V/250M	680	0.100	4.40
SWI0402F-8N7□PR	8.7	S	18	0.1V/250M	480	0.200	4.10
SWI0402F-9N0□PR	9.0	S	22	0.1V/250M	680	0.100	4.16
SWI0402F-9N5□PR	9.5	S	18	0.1V/250M	480	0.200	4.00
SWI0402F-10N□PR	10	J,K	21	0.1V/250M	480	0.200	3.90
SWI0402F-11N□PR	11	J,K	24	0.1V/250M	640	0.120	3.68
SWI0402F-12N□PR	12	J,K	24	0.1V/250M	640	0.120	3.60
SWI0402F-13N□PR	13	J,K	24	0.1V/250M	440	0.210	3.45
SWI0402F-15N□PR	15	J,K	24	0.1V/250M	560	0.170	3.28
SWI0402F-16N□PR	16	J,K	24	0.1V/250M	560	0.220	3.10
SWI0402F-18N□PR	18	J,K	25	0.1V/250M	420	0.230	3.10
SWI0402F-19N□PR	19	J,K	24	0.1V/250M	480	0.200	3.04
SWI0402F-20N□PR	20	J,K	25	0.1V/250M	420	0.25	3.00
SWI0402F-22N□PR	22	J,K	25	0.1V/250M	400	0.30	2.80
SWI0402F-23N□PR	23	J,K	22	0.1V/250M	400	0.30	2.72
SWI0402F-24N□PR	24	J,K	25	0.1V/250M	400	0.30	2.70
SWI0402F-27N□PR	27	J,K	24	0.1V/250M	400	0.30	2.48
SWI0402F-30N□PR	30	J,K	25	0.1V/250M	400	0.35	2.35
SWI0402F-33N□PR	33	J,K	24	0.1V/250M	400	0.40	2.35
SWI0402F-36N□PR	36	J,K	24	0.1V/250M	320	0.44	2.32
SWI0402F-39N□PR	39	J,K	25	0.1V/250M	200	0.55	2.10
SWI0402F-40N□PR	40	J,K	24	0.1V/250M	320	0.44	2.24
SWI0402F-43N□PR	43	J,K	25	0.1V/250M	100	0.81	2.03
SWI0402F-47N□PR	47	J,K	20	0.1V/250M	150	0.83	2.10
SWI0402F-51N□PR	51	J,K	25	0.1V/250M	100	0.82	1.75
SWI0402F-56N□PR	56	J,K	22	0.1V/250M	100	0.97	1.76
SWI0402F-68N□PR	68	J,K	22	0.1V/250M	100	1.12	1.62
SWI0402F-72N□PR	72	J,K	20	0.1V/250M	30	2.00	1.26
SWI0402F-82N□PR	82	J,K	20	0.1V/250M	50	1.55	1.26
SWI0402F-R10□PR	100	J,K	20	0.1V/250M	30	2.00	1.16

5. Materials

No.	Description	Specification
a.	Type	UV Glue
b.	Core	Ceramics Core
c	Termination	Tin Pb Free
d	Wire	Enameled Copper Wire