

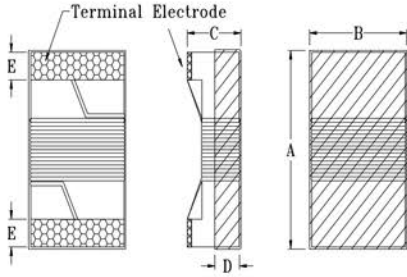
High Frequency Winding Type Chip Inductor SWI1008UF-SERIES

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.



2. Dimensions



Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
SWI1008	2.92 max.	2.79 max.	2.20 max.	1.20 ref.	0.55±0.1

Unit:mm

3. Part Numbering

SWI	1008	UF	-	10N	J
A	B	C		D	E

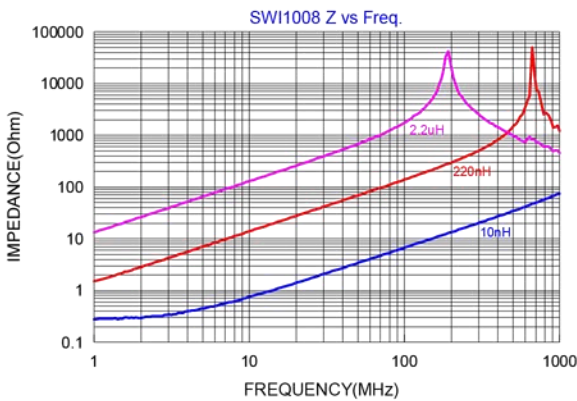
- A: Series
 B: Dimension LxW
 C: Material
 D: Inductance **10N=10nH**
 E: Inductance Tolerance G=±2%, J=±5%, K=±10%

4. Specification

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ Test Freq. min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
SWI1008UF-10N□	10	G, J, K	0.1V/50M	50/500	1000	0.08	4100
SWI1008UF-12N□	12	G, J, K	0.1V/50M	50/500	1000	0.09	3300
SWI1008UF-15N□	15	G, J, K	0.1V/50M	50/500	1000	0.10	2500
SWI1008UF-18N□	18	G, J, K	0.1V/50M	50/350	1000	0.11	2500
SWI1008UF-22N□	22	G, J, K	0.1V/50M	55/350	1000	0.12	2400
SWI1008UF-27N□	27	G, J, K	0.1V/50M	55/350	1000	0.13	1600
SWI1008UF-33N□	33	G, J, K	0.1V/50M	60/350	1000	0.14	1600
SWI1008UF-39N□	39	G, J, K	0.1V/50M	60/350	1000	0.15	1500
SWI1008UF-47N□	47	G, J, K	0.1V/50M	65/350	1000	0.16	1500
SWI1008UF-56N□	56	G, J, K	0.1V/50M	65/350	1000	0.18	1300
SWI1008UF-68N□	68	G, J, K	0.1V/50M	65/350	1000	0.20	1300
SWI1008UF-82N□	82	G, J, K	0.1V/50M	60/350	1000	0.22	1000
SWI1008UF-R10□	100	G, J, K	0.1V/25M	60/350	650	0.56	1000
SWI1008UF-R12□	120	G, J, K	0.1V/25M	60/350	650	0.63	950

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ Test Freq. min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
SWI1008UF-R15□	150	G, J,K	0.1V/25M	45/100	580	0.70	850
SWI1008UF-R18□	180	G, J,K	0.1V/25M	45/100	620	0.77	750
SWI1008UF-R22□	220	G, J,K	0.1V/25M	45/100	500	0.84	700
SWI1008UF-R27□	270	G, J,K	0.1V/25M	45/100	500	0.91	600
SWI1008UF-R33□	330	G, J,K	0.1V/25M	45/100	450	1.05	570
SWI1008UF-R39□	390	G, J,K	0.1V/25M	45/100	470	1.12	500
SWI1008UF-R47□	470	G, J,K	0.1V/25M	45/100	470	1.19	450
SWI1008UF-R56□	560	G, J,K	0.1V/25M	45/100	400	1.33	415
SWI1008UF-R62□	620	G, J,K	0.1V/25M	45/100	300	1.40	375
SWI1008UF-R68□	680	G, J,K	0.1V/25M	45/100	400	1.47	375
SWI1008UF-R75□	750	G, J,K	0.1V/25M	45/100	360	1.54	360
SWI1008UF-R82□	820	G, J,K	0.1V/25M	45/100	400	1.61	350
SWI1008UF-R91□	910	G, J,K	0.1V/25M	35/50	380	1.68	320
SWI1008UF-1R0□	1000	G, J,K	0.1V/25M	35/50	370	1.75	290
SWI1008UF-1R2□	1200	G, J,K	0.1V/7.9M	35/50	310	2.00	250
SWI1008UF-1R5□	1500	G, J,K	0.1V/7.9M	28/50	330	2.23	200
SWI1008UF-1R8□	1800	G, J,K	0.1V/7.9M	28/50	300	2.60	160
SWI1008UF-2R2□	2200	G, J,K	0.1V/7.9M	28/50	280	2.80	160
SWI1008UF-2R7□	2700	G, J,K	0.1V/7.9M	22/25	290	3.20	140
SWI1008UF-3R3□	3300	G, J,K	0.1V/7.9M	22/25	290	3.40	110

Impedance v.s. Frequency Characteristics



Inductance v.s. Frequency Characteristics

