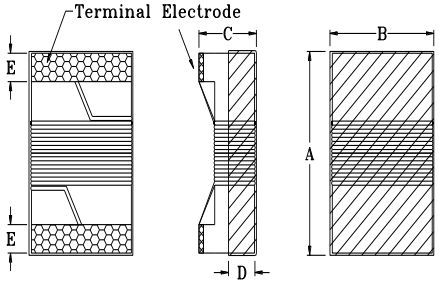
High Frequency Winding Type Chip Inductor SWI0805F-SERIES

1. Features

1. Ceramic core wire wound construction.
2. No batch to batch variations in inductance
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.
7. Operating temperature-40~+125℃ (Including self - temperature rise)

2. Dimensions



Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
SWI0805	2.40 max.	1.60 max.	1.40 max.	0.51 ref.	0.44±0.1

Unit:mm

3. Part Numbering

SWI	0805	F	-	2N0	S
A	B	C		D	E

A: Series
B: Dimension LxW
C: Lead free type
D: Inductance 2N0=2.0nH
E: Inductance Tolerance C=±0.2nH , S=±0.3nH, 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.
SWI0805F-2N0□	2.0	C,S	0.1V/250M	70/1500	800	0.03	8000
SWI0805F-3N9□	3.9	C,S	0.1V/250M	70/1500	800	0.04	5750
SWI0805F-4N7□	4.7	C,S	0.1V/250M	70/1500	800	0.04	5750
SWI0805F-6N8□	6.8	C,J,K	0.1V/250M	70/1500	800	0.06	5500
SWI0805F-7N5□	7.5	C,J,K	0.1V/250M	70/1000	800	0.06	4500
SWI0805F-8N2□	8.2	C,J,K	0.1V/250M	70/1000	800	0.06	4700
SWI0805F-10N□	10	J,K	0.1V/250M	70/1000	600	0.08	4200
SWI0805F-12N□	12	J,K	0.1V/250M	80/1000	600	0.08	4000
SWI0805F-15N□	15	J,K	0.1V/250M	80/1000	600	0.10	3400

Part Number	Inductance (nH)	Tolerance	Test Frequency (Hz)	Q @ Test Freq. min.	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
SWI0805F-18N□	18	J,K	0.1V/250M	80/1000	600	0.10	3300
SWI0805F-22N□	22	J,K	0.1V/250M	60/500	600	0.12	2600
SWI0805F-24N□	24	J,K	0.1V/250M	60/500	600	0.12	2000
SWI0805F-27N□	27	J,K	0.1V/250M	60/500	600	0.12	2500
SWI0805F-33N□	33	J,K	0.1V/250M	60/500	600	0.13	2050
SWI0805F-36N□	36	J,K	0.1V/250M	65/500	600	0.13	1700
SWI0805F-39N□	39	J,K	0.1V/250M	65/500	600	0.15	2000
SWI0805F-43N□	43	J,K	0.1V/200M	65/500	600	0.15	1650
SWI0805F-47N□	47	J,K	0.1V/200M	65/500	600	0.17	1650
SWI0805F-56N□	56	J,K	0.1V/200M	65/500	600	0.19	1550
SWI0805F-68N□	68	J,K	0.1V/200M	60/500	500	0.22	1450
SWI0805F-82N□	82	J,K	0.1V/150M	55/500	400	0.40	1300
SWI0805F-R10□	100	J,K	0.1V/150M	55/500	400	0.52	1200
SWI0805F-R11□	110	J,K	0.1V/150M	55/500	400	0.52	1200
SWI0805F-R12□	120	J,K	0.1V/150M	50/250	400	0.55	1100
SWI0805F-R15□	150	J,K	0.1V/150M	50/250	400	0.73	920
SWI0805F-R18□	180	J,K	0.1V/100M	50/250	400	0.88	870
SWI0805F-R22□	220	J,K	0.1V/100M	50/250	340	1.18	850
SWI0805F-R24□	240	J,K	0.1V/100M	48/250	330	1.20	690
SWI0805F-R27□	270	J,K	0.1V/100M	48/250	310	1.36	650
SWI0805F-R33□	330	J,K	0.1V/100M	40/250	300	1.40	600
SWI0805F-R39□	390	J,K	0.1V/100M	25/250	290	1.50	560
SWI0805F-R47□	470	J,K	0.1V/50M	25/100	250	1.76	375
SWI0805F-R56□	560	J,K	0.1V/25M	23/100	210	1.90	340
SWI0805F-R62□	620	J,K	0.1V/25M	23/100	205	2.00	220
SWI0805F-R68□	680	J,K	0.1V/25M	23/100	200	2.15	200
SWI0805F-R75□	750	J,K	0.1V/25M	20/100	185	2.25	200
SWI0805F-R82□	820	J,K	0.1V/25M	20/100	170	2.50	200
SWI0805F-1R0□	1000	J,K	0.1V/25M	15/50	170	2.60	100

