

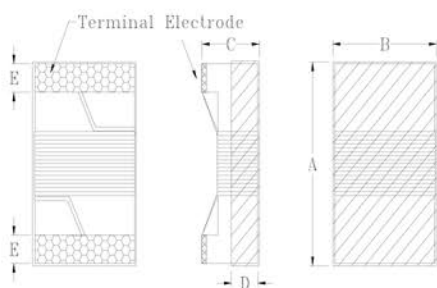
High Frequency Winding Type Chip Inductor SWI0805F-SERIES

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)
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

