



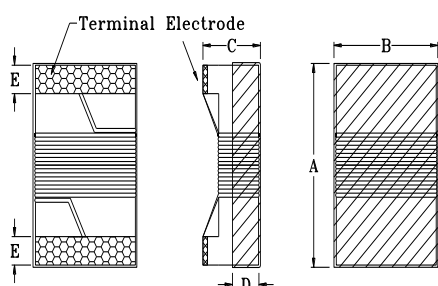
High Frequency Winding Type Chip Inductor GWI0805F-SERIES

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°C (Including self - temperature rise)



2. Dimensions



Size	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
GWI0805	2.40 max.	1.60 max.	1.40 max.	0.51 ref.	0.44±0.1

Unit:mm

3. Part Numbering

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

A: Series
 B: Dimension LxW
 C: Lead free type 2N0=2.0nH
 D: Inductance
 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.
GWI0805F-2N0□	2.0	C,S	0.1V/250M	70/1500	800	0.03	8000
GWI0805F-3N9□	3.9	C,S	0.1V/250M	70/1500	800	0.04	5750
GWI0805F-4N7□	4.7	C,S	0.1V/250M	70/1500	800	0.04	5750
GWI0805F-6N8□	6.8	C,J,K	0.1V/250M	70/1500	800	0.06	5500
GWI0805F-7N5□	7.5	C,J,K	0.1V/250M	70/1000	800	0.06	4500
GWI0805F-8N2□	8.2	C,J,K	0.1V/250M	70/1000	800	0.06	4700
GWI0805F-10N□	10	J,K	0.1V/250M	70/1000	600	0.08	4200
GWI0805F-12N□	12	J,K	0.1V/250M	80/1000	600	0.08	4000
GWI0805F-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.
GW0805F-18N□	18	J,K	0.1V/250M	80/1000	600	0.10	3300
GW0805F-22N□	22	J,K	0.1V/250M	60/500	600	0.12	2600
GW0805F-24N□	24	J,K	0.1V/250M	60/500	600	0.12	2000
GW0805F-27N□	27	J,K	0.1V/250M	60/500	600	0.12	2500
GW0805F-33N□	33	J,K	0.1V/250M	60/500	600	0.13	2050
GW0805F-36N□	36	J,K	0.1V/250M	65/500	600	0.13	1700
GW0805F-39N□	39	J,K	0.1V/250M	65/500	600	0.15	2000
GW0805F-43N□	43	J,K	0.1V/200M	65/500	600	0.15	1650
GW0805F-47N□	47	J,K	0.1V/200M	65/500	600	0.17	1650
GW0805F-56N□	56	J,K	0.1V/200M	65/500	600	0.19	1550
GW0805F-68N□	68	J,K	0.1V/200M	60/500	500	0.22	1450
GW0805F-82N□	82	J,K	0.1V/150M	55/500	400	0.40	1300
GW0805F-R10□	100	J,K	0.1V/150M	55/500	400	0.52	1200
GW0805F-R11□	110	J,K	0.1V/150M	55/500	400	0.52	1200
GW0805F-R12□	120	J,K	0.1V/150M	50/250	400	0.55	1100
GW0805F-R15□	150	J,K	0.1V/150M	50/250	400	0.73	920
GW0805F-R18□	180	J,K	0.1V/100M	50/250	400	0.88	870
GW0805F-R22□	220	J,K	0.1V/100M	50/250	340	1.18	850
GW0805F-R24□	240	J,K	0.1V/100M	48/250	330	1.20	690
GW0805F-R27□	270	J,K	0.1V/100M	48/250	310	1.36	650
GW0805F-R33□	330	J,K	0.1V/100M	40/250	300	1.40	600
GW0805F-R39□	390	J,K	0.1V/100M	25/250	290	1.50	560
GW0805F-R47□	470	J,K	0.1V/50M	25/100	250	1.76	375
GW0805F-R56□	560	J,K	0.1V/25M	23/100	210	1.90	340
GW0805F-R62□	620	J,K	0.1V/25M	23/100	205	2.00	220
GW0805F-R68□	680	J,K	0.1V/25M	23/100	200	2.15	200
GW0805F-R75□	750	J,K	0.1V/25M	20/100	185	2.25	200
GW0805F-R82□	820	J,K	0.1V/25M	20/100	170	2.50	200
GW0805F-1R0□	1000	J,K	0.1V/25M	15/50	170	2.60	100

