



High Frequency Chip Inductor (Lead Free)

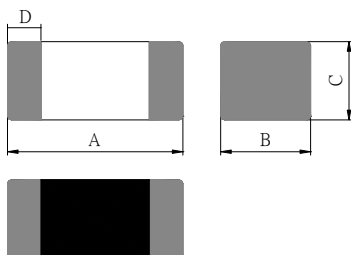
GCI1608F-Series-M

1. Features

1. Monolithic inorganic material construction.
2. Closed magnetic circuit avoids crosstalk.
3. S.M.T. type.
4. Suitable for reflow soldering.
5. Shapes and dimensions follow E.I.A. spec.
6. Available in various sizes.
7. Excellent solder ability and heat resistance.
8. High SRF up to 6GHz and above.
9. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
10. Operating Temperature:-55~+105°C (Including self-temperature rise)



2. Dimensions



Chip Size	
A	1.60±0.15
B	0.80±0.15
C	0.80±0.15
D	0.30±0.20

Units: mm

3. Part Numbering

GCI
1608
F
-
1N5
S
-
M

A: Series
 B: Dimension
 C: Material
 D: Inductance
 E: Inductance Tolerance
 F: MARKING

L x W
 Lead Free Material
 1N5=1.5 nH
 S=±0.3nH , J=±5% , K=±10%

4. Specification

Part Number	Thickness (mm)	Inductance		Q		Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
		(nH)	Test Frequency (MHz)	Normal Value	min.			
GCI1608F-1N0S-M	0.80±0.15	1.0	100	14	8	300	0.05	10000
GCI1608F-1N2S-M	0.80±0.15	1.2	100	148		300	0.05	10000
GCI1608F-1N5S-M	0.80±0.15	1.5	100	148		300	0.10	6000
GCI1608F-1N8S-M	0.80±0.15	1.8	100	108		300	0.10	6000
GCI1608F-2N2S-M	0.80±0.15	2.2	100	128		300	0.10	6000
GCI1608F-2N7S-M	0.80±0.15	2.7	100	1310		300	0.10	6000
GCI1608F-3N3S-M	0.80±0.15	3.3	100	1410		300	0.12	6000
GCI1608F-3N9S-M	0.80±0.15	3.9	100	1310		300	0.14	6000



Part Number	Thickness (mm)	Inductance		Q		Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
		(nH)	Test Frequency (MHz)	Normal Value	min.			
GCI1608F-4N7S-M	0.80±0.15	4.7	100	13	10	300	0.16	4000
GCI1608F-5N6S-M	0.80±0.15	5.6	100	14	10	300	0.18	4000
GCI1608F-6N8□-M	0.80±0.15	6.8	100	14	10	300	0.22	4000
GCI1608F-8N2□-M	0.80±0.15	8.2	100	14	10	300	0.24	3500
GCI1608F-10N□-M	0.80±0.15	10	100	14	12	300	0.26	3400
GCI1608F-12N□-M	0.80±0.15	12	100	14	12	300	0.28	2600
GCI1608F-15N□-M	0.80±0.15	15	100	15	12	300	0.32	2300
GCI1608F-18N□-M	0.80±0.15	18	100	15	12	300	0.35	2000
GCI1608F-22N□-M	0.80±0.15	22	100	16	12	300	0.40	1600
GCI1608F-27N□-M	0.80±0.15	27	100	16	12	300	0.45	1400
GCI1608F-33N□-M	0.80±0.15	33	100	17	12	300	0.55	1200
GCI1608F-39N□-M	0.80±0.15	39	100	18	12	300	0.60	1100
GCI1608F-47N□-M	0.80±0.15	47	100	17	12	300	0.70	900
GCI1608F-56N□-M	0.80±0.15	56	100	17	12	300	0.75	900
GCI1608F-68N□-M	0.80±0.15	68	100	18	12	300	0.85	700
GCI1608F-82N□-M	0.80±0.15	82	100	18	12	300	0.95	600
GCI1608F-R10□-M	0.80±0.15	100	100	18	12	300	1.00	600
GCI1608F-R12□-M	0.80±0.15	120	50	16	8	300	1.20	500
GCI1608F-R15□-M	0.80±0.15	150	50	13	8	300	1.20	500
GCI1608F-R18□-M	0.80±0.15	180	50	13	8	300	1.30	400

NOTE: □:TOLERANCE J: +/-5% K : +/-10%

Impedance, Inductance, Q v.s. Frequency Characteristics(Typical)

