



High Current Ferrite Chip Bead(Lead Free)

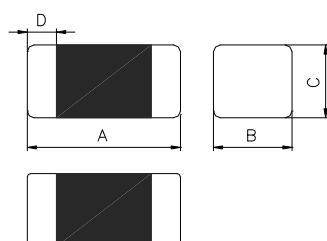
GCB1005-Series

1. Features

1. Monolithic inorganic material construction.
2. Closed magnetic circuit avoids crosstalk.
3. Suitable for reflow soldering.
4. Shapes and dimensions follow E.I.A. spec.
5. Available in various sizes.
6. Excellent solder ability and heat resistance.
7. High reliability.
8. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
9. Low DC resistance structure of electrode to prevent wasteful electric power consumption.
10. Operating Temperature: -55~+125°C (Including self-temperature rise)



2. Dimensions



Chip Size	
A	1.00±0.10
B	0.50±0.10
C	0.50±0.10
D	0.25±0.10

Units: mm

3. Part Numbering

GCB	1005	KF	-	121	T	20
A	B	C		D	E	F

A: Series
 B: Dimension L x W
 C: Material Lead Free Material
 D: Impedance 121=120Ω
 E: Packaging T=Taping and Reel, B=Bulk(Bags)
 F: Rated Current 20=2000mA

4. Specification

Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA) max.
GCB1005MF-100T25	10±25%	100	0.05	2500
GCB1005KF-121T20	120±25%	100	0.095	2000
GCB1005KF-221T15	220±25%	100	0.15	1500
GCB1005PF-330T30	33±25%	100	0.022	3000
GCB1005PF-600T25	60±25%	100	0.032	2500
GCB1005PF-800T23	80±25%	100	0.038	2300

- Rated current: based on temperature rise test
- In compliance with EIA 595



Impedance Frequency Characteristics(Typical)

