

GMLB S-SERIES

Ferrite Chips Beads For Ultra-High Current Applications

◆ FEATURES

• **Effective EMI Protection**

S-series chip beads have a monolithic inorganic material construction that minimizes the effect of electromagnetic interference and are ideal for noise filtering of power line.

• **Low DC Resistance**

S-series chip beads have lower DC resistance than P-series and are more effective for power saving.

• **High Current Handling**

S-series chip beads are designed for high current handling. S-series chip beads are able to withstand current to a maximum of 7A DC.

• **Multiple Size Availability**

S-series chip beads are available in five compact sizes: 160805,160808.

◆ APPLICATIONS

The GMLB-S series is suitable for DC power line like in electrical equipments like:

- PC, notebook PC and peripheral equipment.
- PDA, mobile phone, DSC, DV.
- Battery chargers

Typical electrical characteristic curves for the GMLB S-series chip beads. The S-series has lower DC resistance suitable for high current applications.

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◆ PRODUCT SPECIFICATIONS

160805 (0603)-SIZES

Part Number	Impedance (Ω) at 100 MHz	R _{DC} (Ω) Max.	I _{DC} (mA) Max.	Operating Temp. Range ($^{\circ}$ C)
GMLB-160805-0070S-N1	70 \pm 25%	0.020	4000	-55 ~ +125
GMLB-160805-0120S-N1	120 \pm 25%	0.025	3000	
GMLB-160805-0220S-N1	220 \pm 25%	0.040	2500	

160808 (0603)-SIZES

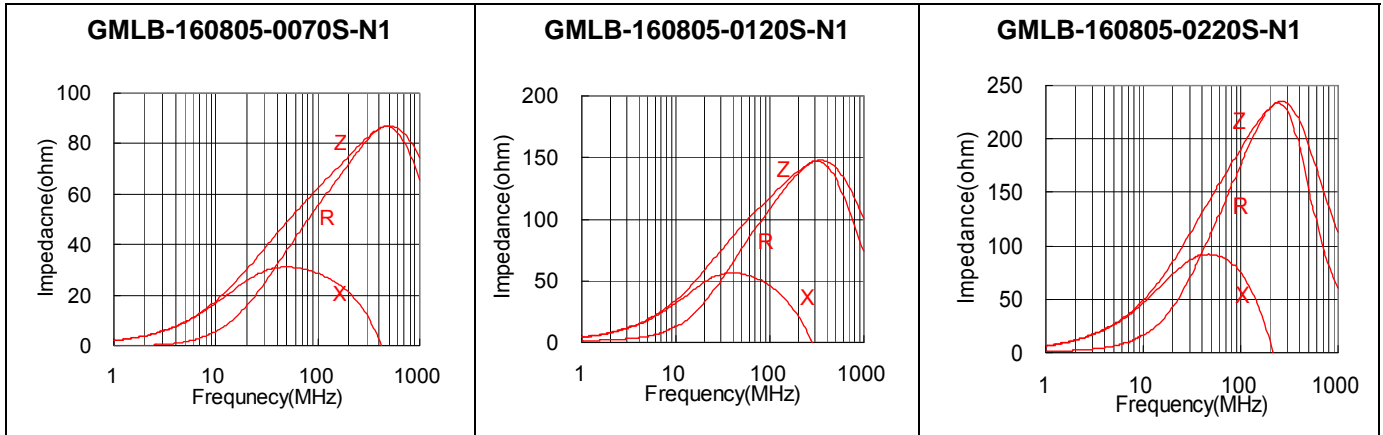
Part Number	Impedance (Ω) at 100 MHz	R _{DC} (Ω) Max.	I _{DC} (mA) Max.	Operating Temp. Range ($^{\circ}$ C)
GMLB-160808-0026S-N1	26 \pm 25%	0.015	6000	-55 ~ +125
GMLB-160808-0030S-N1	30 \pm 25%	0.015	5000	
GMLB-160808-0070S-N1	70 \pm 25%	0.025	4000	
GMLB-160808-0120S-N1	120 \pm 25%	0.04	3000	
GMLB-160808-0220S-N1	220 \pm 25%	0.07	2500	
GMLB-160808-0330S-N1	330 \pm 25%	0.085	1500	

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◆ TYPICAL ELECTRICAL CHARACTERISTIC CURVES

SIZE : 160805



SIZE : 160808

