

## GMLB W-SERIES

### Ferrite Chip Beads For GHz-bead Noise Suppression

#### ◆ FEATURES

- **Effective EMI Protection**

W-Series chip beads have a monolithic inorganic material construction that minimizes the effect of electromagnetic interference.

- **Wide Frequency Characteristics**

W-series has a modified internal structure that minimizes the stray capacitance and generates high impedances GHz bead.

- **High Soldering Heat Resistance**

W-Series chip beads have high quality termination that allows the applications of both flow and reflow soldering methods.

- **Multiple Size Availability**

R-series chip beads are available in three compact sizes: 100505,160808

#### ◆ APPLICATIONS

W-Series chip beads can be used on interference line of electronic equipments that has high speed CPU, high-speed data bus or RF circuit.

Suitable for noise suppression from 500 MHz to GHz

Typical electrical characteristic curves for the GMLB W- series chip beads. The W- series covers a wider frequency range and has a conventional series.

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#### ◆ PRODUCT SPECIFICATIONS

##### 100505(0402) SIZES

Part Number	Impedance ( $\Omega$ ) at 100 MHz	R <sub>DC</sub> ( $\Omega$ ) Max.	I <sub>DC</sub> (mA) Max.	Operating Temp. Range ( $^{\circ}$ C)
GMLB-100505-0120W-N8	120 $\pm$ 25%	0.7	300	-55 ~ +125
GMLB-100505-0220W-N8	220 $\pm$ 25%	1.0	250	
GMLB-100505-0600W-N8	600 $\pm$ 25%	0.85	300	
GMLB-100505-1000W-N8	1000 $\pm$ 25%	1.25	250	

##### 160808(0603) SIZES

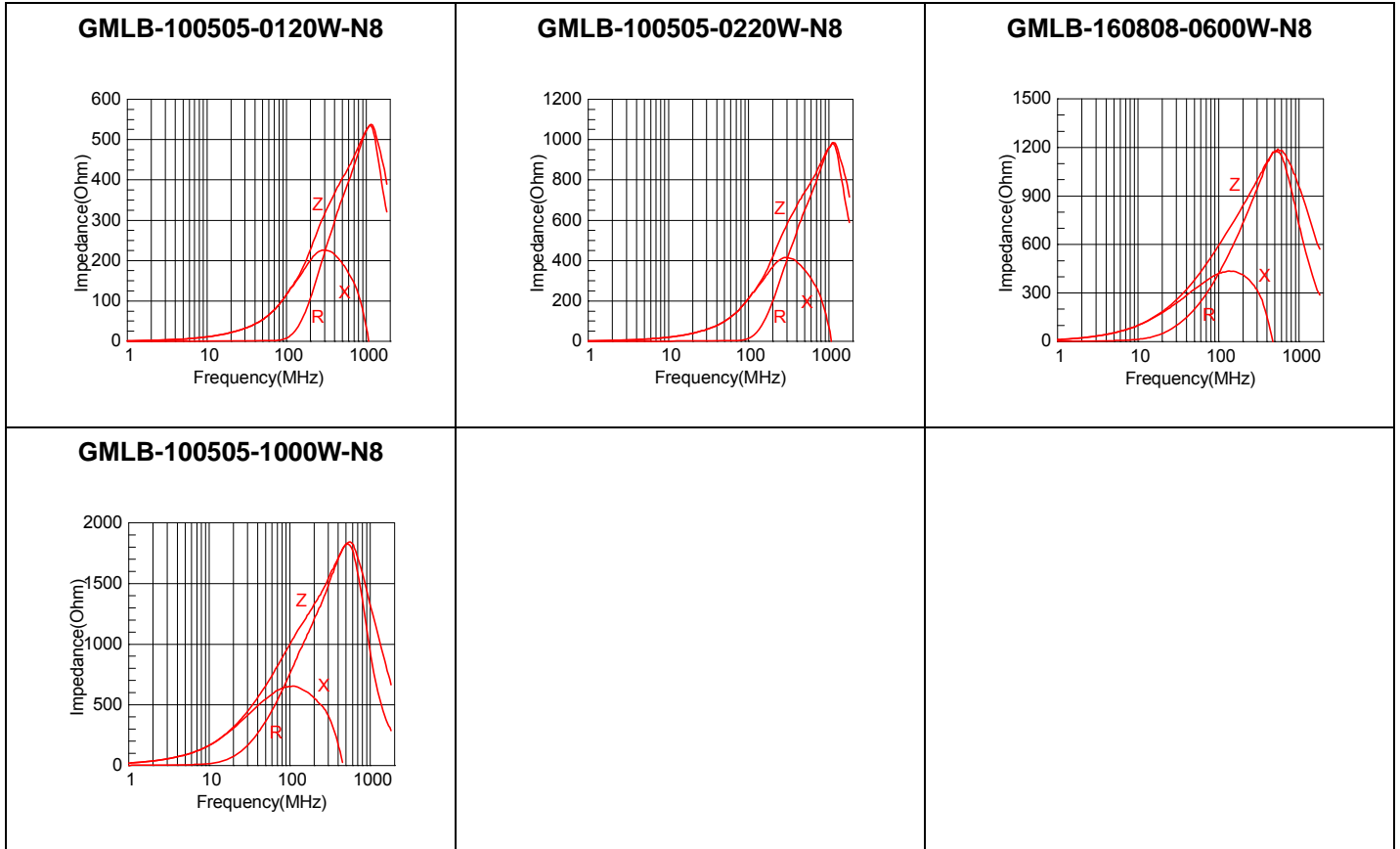
Part Number	Impedance ( $\Omega$ ) at 100 MHz	R <sub>DC</sub> ( $\Omega$ ) Max.	I <sub>DC</sub> (mA) Max.	Operating Temp. Range ( $^{\circ}$ C)
GMLB-160808-0470W-N8	470 $\pm$ 25%	0.8	200	-55 ~ +125
GMLB-160808-0600W-N8	600 $\pm$ 25%	1.0	200	
GMLB-160808-1000W-N8	1000 $\pm$ 25%	1.2	100	
GMLB-160808-0120W-N7	120 $\pm$ 25%	0.4	200	
GMLB-160808-0220W-N7	220 $\pm$ 25%	0.6	200	
GMLB-160808-0330W-N7	330 $\pm$ 25%	0.8	200	
GMLB-160808-0120WP-N8	120 $\pm$ 25%	0.04	2000	
GMLB-160808-0600WP-N8	600 $\pm$ 25%	0.35	500	

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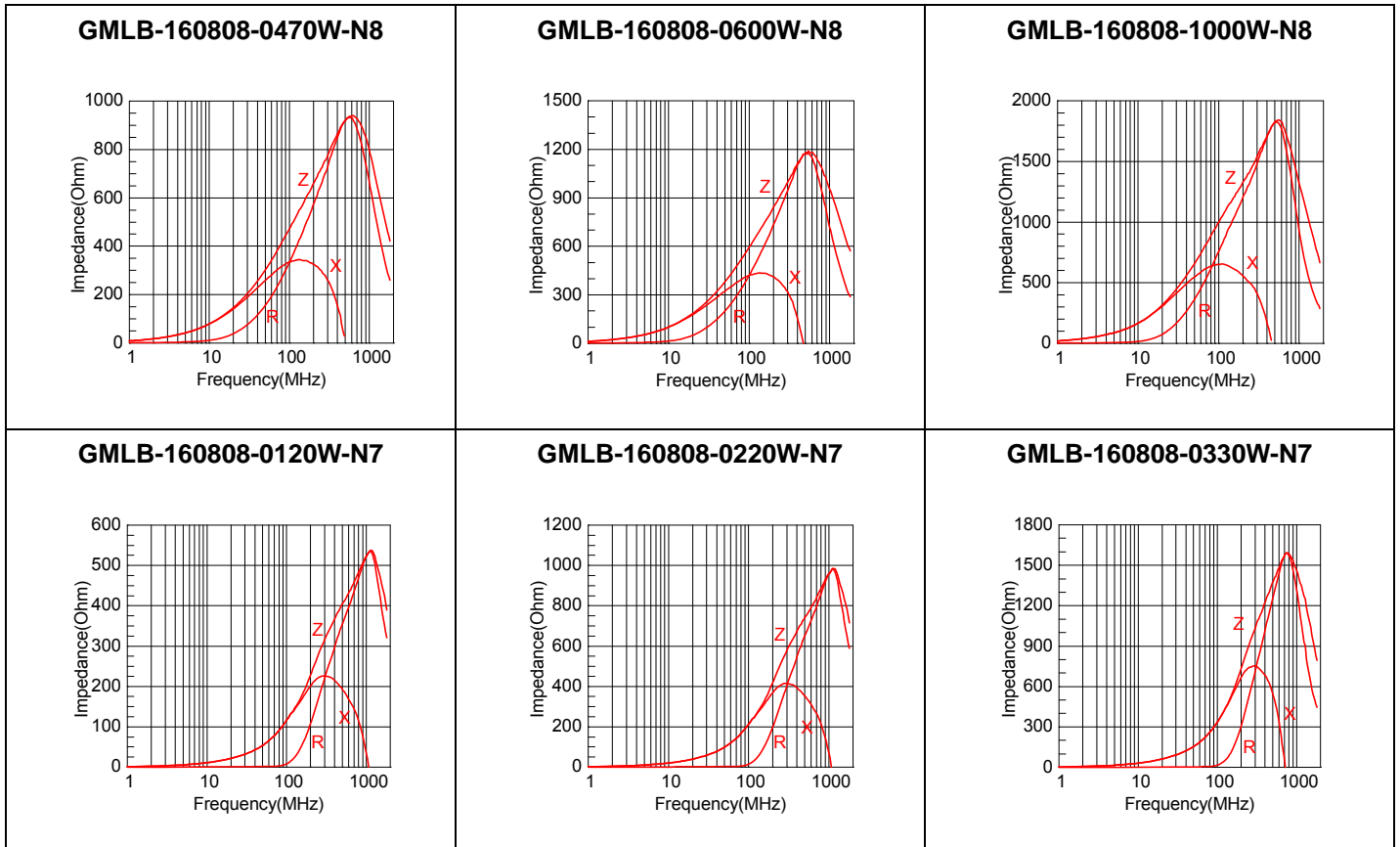
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### ◆ TYPICAL ELECTRICAL CHARACTERISTIC CURVES

#### SIZE: 100505



#### SIZE: 160808

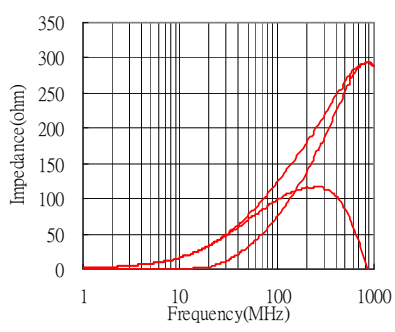


# GMLB W-SERIES

## Ferrite Chip Beads For GHz-bead Noise Suppression

SIZE: 160808

**GMLB-160808-0120WP-N8**



**GMLB-160808-0600WP-N8**

