

■ FEATURES

• Multi-line EMI Suppression

M-series chip arrays contain four ferrite beads in a single package. This compact design makes the M-series perfect for EMI suppression on multiple-lines.

• High Density Packaging

M-series chip arrays have a compact package design that is an ideal for high density packaging.

• Multi-frequency Applications

M-series chip arrays are available in A-type and B-type. The A-type chip arrays are designed for lower frequency applications. The B-type chip arrays are designed for high frequency applications.

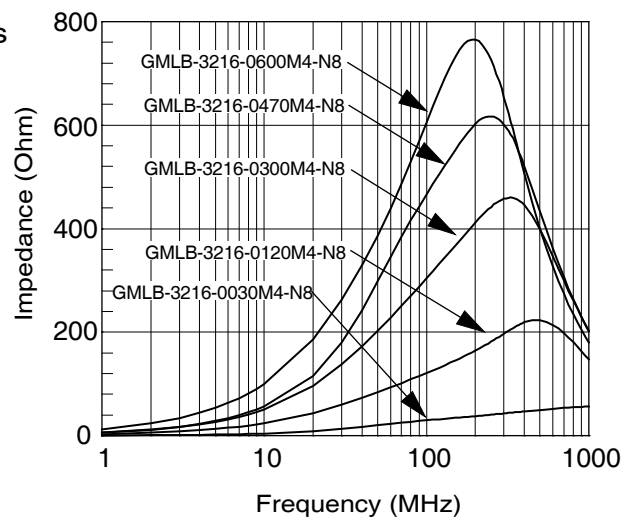
■ APPLICATIONS

M-series chip beads can be used in a variety of electronics including:

- Computers
- Printers
- Hard Drives
- CD-ROMs
- Monitor
- Motherboards
- Televisions

■ TYPICAL ELECTRICAL CHARACTERISTIC CURVES

Typical electrical characteristic curves for the GMLB M-series chip bead arrays. The M-series chip arrays have a wide range of impedance characteristics and are ideal for multi-line applications.

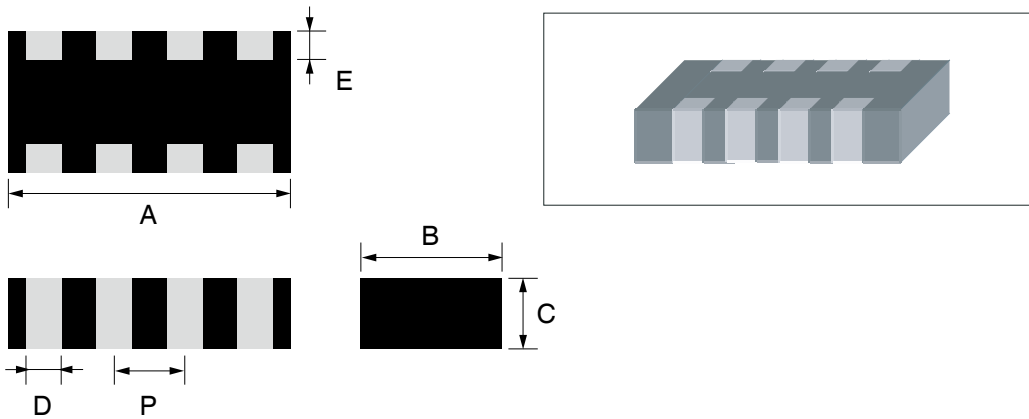


■ PRODUCT SPECIFICATIONS

3216 (1206) SIZES

Type	Part Number	Impedance (Ω) at 100 MHz	R _{DC} (Ω) Max.	I _{DC} (mA) Max.	Operating Temp. Range(°C)
A-Type	GMLB-3216-0030M4-N8	30 ± 25%	0.40	350	-55~+125
	GMLB-3216-0060M4-N8	60 ± 25%		250	
	GMLB-3216-0120M4-N8	120 ± 25%	0.80	150	
	GMLB-3216-0240M4-N8	240 ± 25%			
	GMLB-3216-0300M4-N8	300 ± 25%			
	GMLB-3216-0470M4-N8	470 ± 25%	1.00	100	
	GMLB-3216-0600M4-N8	600 ± 25%	1.50		
	GMLB-3216-1000M4-N8	1000 ± 25%	1.70	50	
B-Type	GMLB-3216-0060M4-N7	60 ± 25%	0.8	150	
	GMLB-3216-0120M4-N7	120 ± 25%			
	GMLB-3216-0220M4-N7	220 ± 25%	1.0	100	
	GMLB-3216-0470M4-N7	470 ± 25%			
	GMLB-3216-0600M4-N7	600 ± 25%	1.5		

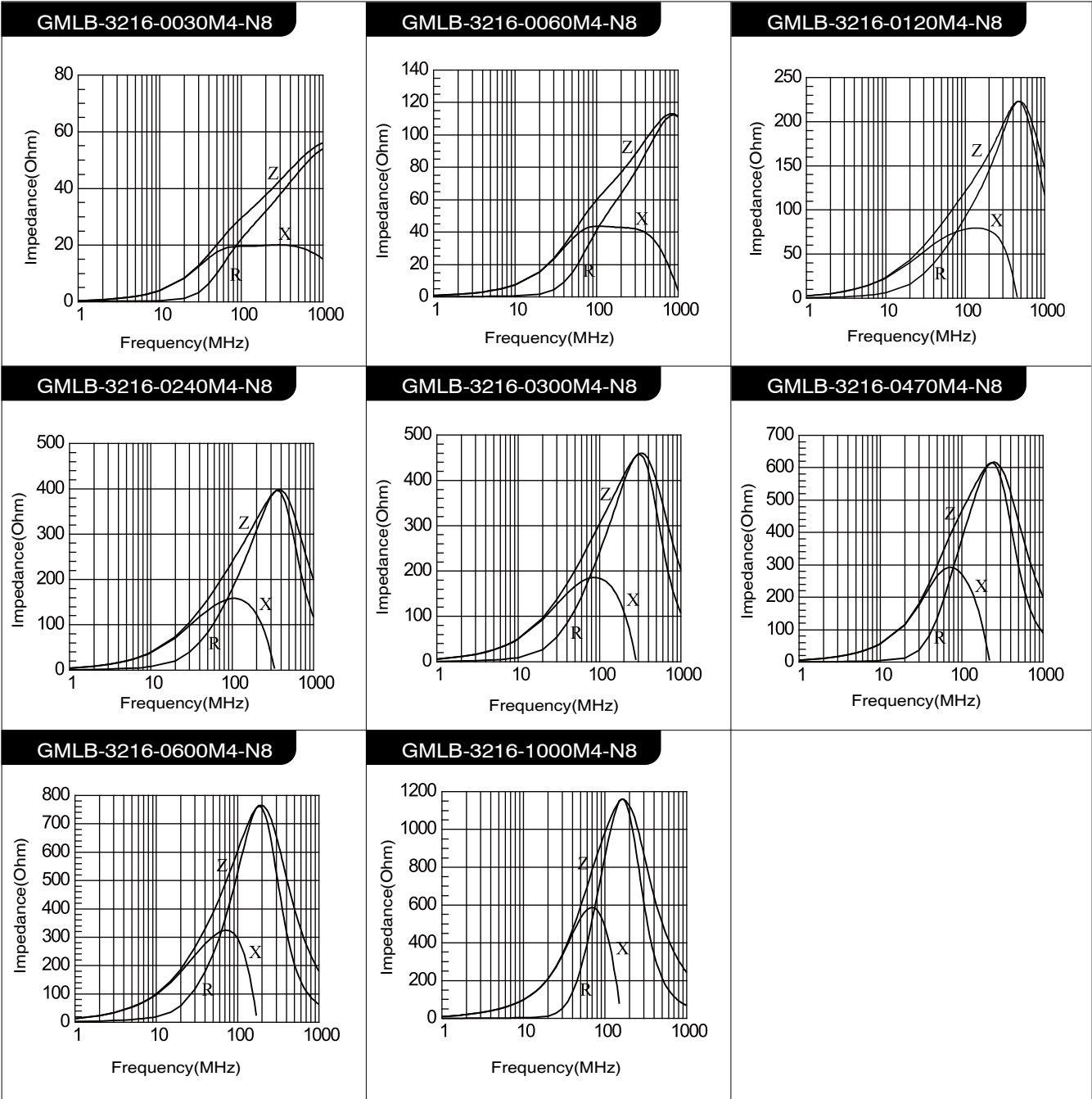
■ PRODUCT DIMENSIONS



PRODUCT NO.	A	B	C	D	E	P
GMLB-3216	3.2 ± 0.2 (0.126 ± 0.008)	1.6 ± 0.2 (0.063 ± 0.008)	0.9 ± 0.2 (0.035 ± 0.008)	0.4 ± 0.2 (0.015 ± 0.008)	0.3 ± 0.2 (0.012 ± 0.008)	0.8 ± 0.1 (0.031 ± 0.004)
GMLB-2010	2.0 ± 0.2 (0.079 ± 0.008)	1.0 ± 0.2 (0.039 ± 0.008)	0.5 ± 0.1 (0.019 ± 0.004)	0.25 ± 0.15 (0.010 ± 0.006)	0.2 ± 0.15 (0.008 ± 0.006)	0.5 ± 0.1 (0.019 ± 0.004)

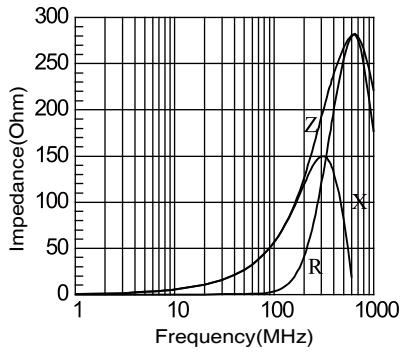
Unit: mm (inch)

TYPICAL ELECTRICAL CHARACTERISTIC CURVES
A-Type Multi-line Series for General Applications

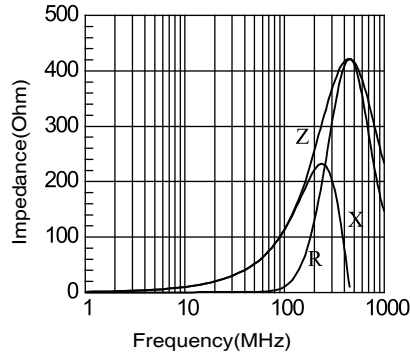


TYPICAL ELECTRICAL CHARACTERISTIC CURVES B-Type Multi-line Series for High Frequency Applications

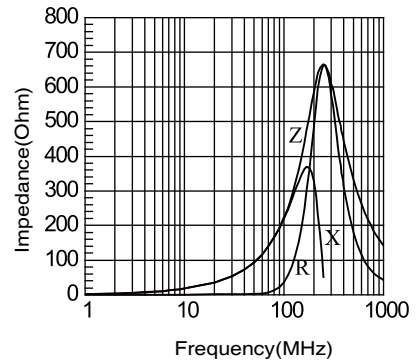
GMLB-3216-0060M4-N7



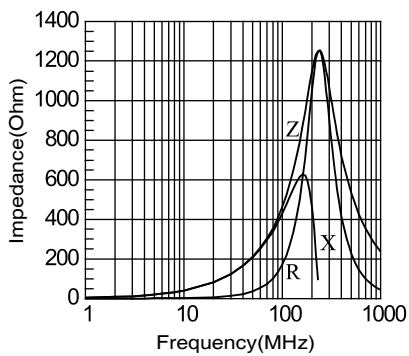
GMLB-3216-0120M4-N7



GMLB-3216-0220M4-N7



GMLB-3216-0470M4-N7



GMLB-3216-0600M4-N7

