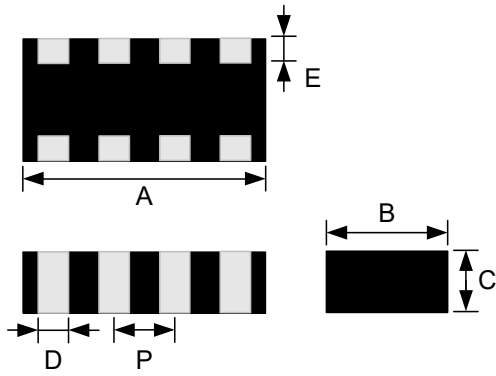


## PRODUCT DIMENSION

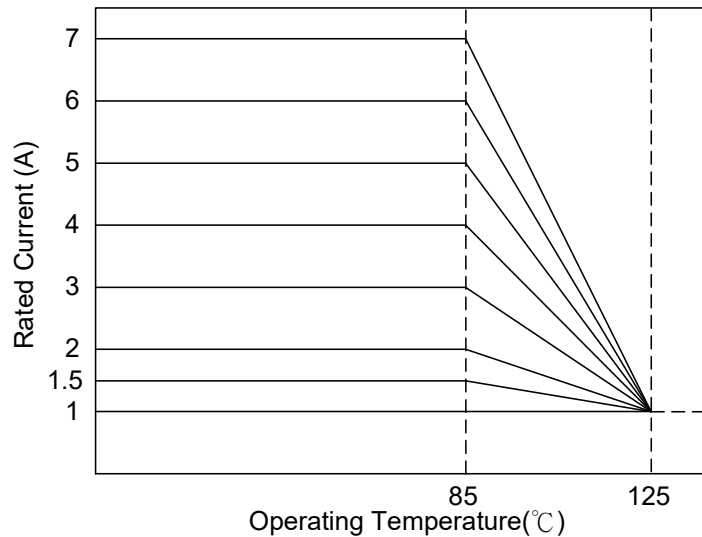


NOTE : Dimensions in mm

PRODUCT NO.	A	B	C	D	E	P
MFB-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)

## CURRENT DERATING

In operating temperatures exceeding +85°C, derating of current is necessary for chip ferrite beads for which rated current is 1.5A or over. Please apply the derating curve shown below according to the operating temperature.



## ELECTRICAL REQUIREMENTS

Part Number	Impedance ( $\Omega$ ) at 100 MHz	R <sub>DC</sub> ( $\Omega$ ) Max.	Rated Current (mA) Max.	Operating Temp. Range ( $^{\circ}$ C)
MFB-3216-0030M4-N2	30 $\pm$ 25%	0.4	350	-55 ~ +125
MFB-3216-0060M4-N2	60 $\pm$ 25%		250	
MFB-3216-0120M4-N2	120 $\pm$ 25%	0.8	150	
MFB-3216-0240M4-N2	240 $\pm$ 25%			
MFB-3216-0300M4-N2	300 $\pm$ 25%			
MFB-3216-0470M4-N2	470 $\pm$ 25%	1.0		
MLB-3216-0600M4-N2	600 $\pm$ 25%	1.5	100	
MFB-3216-1000M4-N2	1000 $\pm$ 25%	1.7	50	

- Temperature rise should be less than 40 $^{\circ}$ C for P-type and less than 25 $^{\circ}$ C for other types when rated current is applied.

## MEASURING METHOD / CONDITION

- Test Instrument:

Z: Agilent 4291B Impedance Analyzer, Test Fixture: Agilent 16192  
Osc. Level: 500mV

R<sub>DC</sub>: Agilent 34401A

- Test Condition:

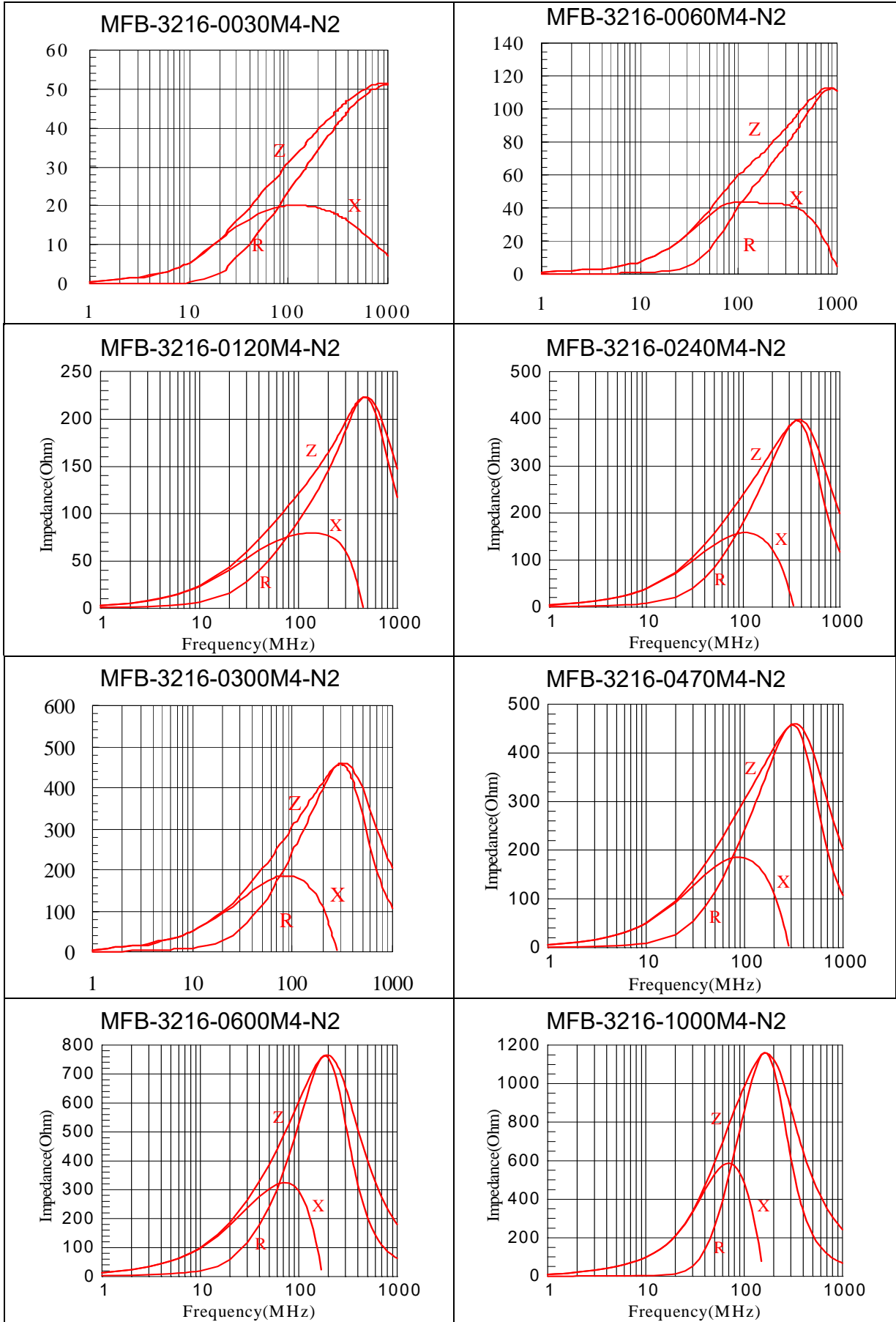
< Unless otherwise specified >

Temperature: 15 $^{\circ}$ C to 35 $^{\circ}$ C      Humidity: 25% to 85% RH

< In case of doubt >

Temperature: 25 $^{\circ}$ C  $\pm$  2 $^{\circ}$ C      Humidity: 60% to 70% RH

# TYPICAL ELECTRICAL CHARACTERISTICS (T=25°C)



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