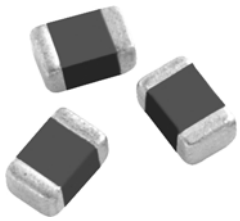
Multilayer Ferrite Beads



FEATURES

- High reliability
- Surface mountable
- Magnetically self shielded
- Nickel barrier plating virtually eliminates silver migration
- Compliant to RoHS Directive 2002/95/EC
- Halogen-free according to IEC 61249-2-21 definition

Pb-free

RoHS COMPLIANT

HALOGEN FREE

MECHANICAL SPECIFICATIONS

Solderability: 90 % coverage after 5 s dip in 235 °C solder following 60 s preheat at 120 °C to 150 °C and type R flux dip

Resistance to Solder Heat: 10 s in 260 °C solder, after preheat and flux per above

Terminal Strength: 0.6 kg (1.32 lbs) minimum for 30 s

Beam Strength: 1 kg (2.2 lbs) minimum

Flex: 0.079" [2 mm] min. mounted on 0.063" [1.6 mm] thick PC board

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature: - 55 °C to + 125 °C

Thermal Shock: 100 cycles, - 40 °C to + 125 °C

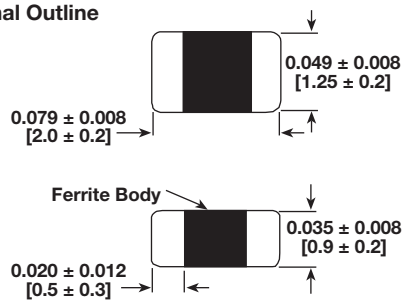
Biased Humidity: 85 % RH at 85 °C, 1000 h at full rated current

STANDARD ELECTRICAL SPECIFICATIONS

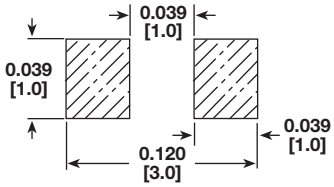
Z ± 25 % AT 100 MHz (Ω)	DCR MAX. (Ω)	RATED DC CURRENT (mA)
7	0.06	600
11	0.06	600
17	0.06	600
26	0.06	600
32	0.06	600
40	0.15	300
50	0.15	300
60	0.15	300
75	0.15	300
80	0.15	300
90	0.15	300
100	0.15	300
120	0.15	300
150	0.15	300
180	0.20	200
220	0.20	200
300	0.20	200
400	0.30	200
600	0.30	200
1000	0.35	100
1500	0.40	100
2000	0.50	80
2200	0.60	80

DIMENSIONS in inches [millimeters]

Dimensional Outline



Recommended Pad Layout



PACKAGING OPTIONS

- Tape and Reel: Embossed plastic carrier tape per EIA481-1, 4000 pieces on a 7" [178 mm] reel

DESCRIPTION

ILBB-0805	11	± 25 %	ER	e3
MODEL	IMPEDANCE VALUE	IMPEDANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD

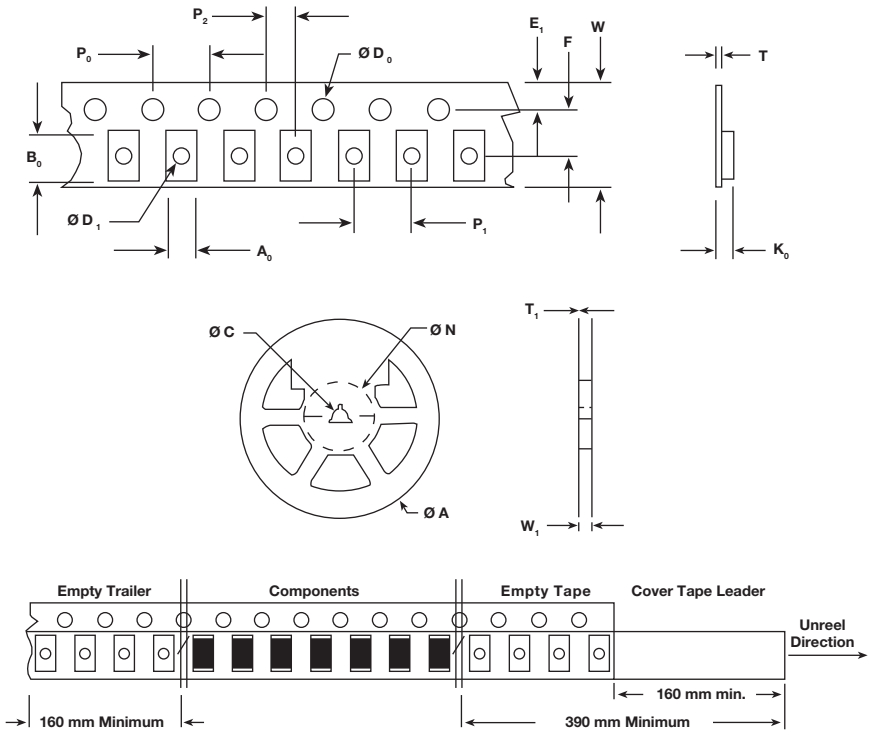
GLOBAL PART NUMBER

I	L	B	B	0	8	0	5	E	R	1	1	0	V
PRODUCT FAMILY				SIZE				PACKAGE CODE		IMPEDANCE VALUE			IMPEDANCE TOLERANCE

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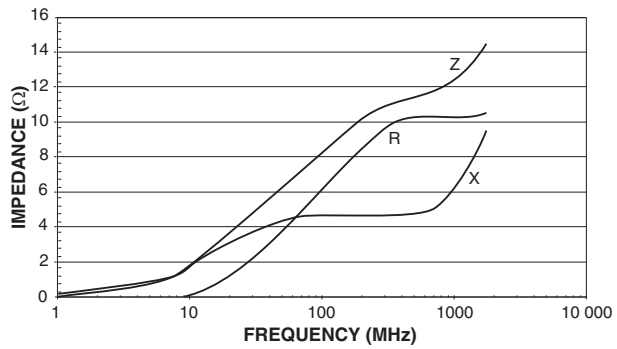
TAPE AND REEL SPECIFICATIONS 0805 SIZE PER EIA-481-1 in inches [millimeters]



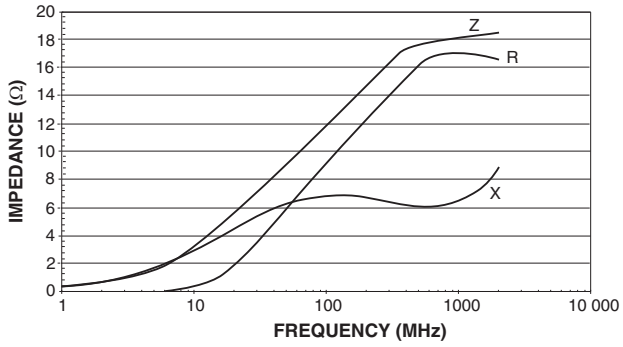
A_0	0.059 ± 0.004 [1.50 ± 0.1]
B_0	0.093 ± 0.006 [2.35 ± 0.15]
D_0	0.059 + 0.004/- 0.000 [1.5 + 0.1/- 0.0]
D_1	0.039 min. [1.0 min.]
E_1	0.069 ± 0.004 [1.75 ± 0.1]
F	0.138 ± 0.002 [3.50 ± 0.05]
K_0	0.049 ± 0.002 [1.24 ± 0.05]
P_0	0.157 ± 0.004 [4.00 ± 0.1]
P_1	0.157 ± 0.004 [4.00 ± 0.1]
P_2	0.079 ± 0.002 [2.00 ± 0.05]
W	0.327 max. [8.3 max.]
T	0.008 ± 0.002 [0.2 ± 0.05]
A	7.000 ± 0.079 [178 ± 2.0]
N	2.500 [63.5]
C	0.512 ± 0.020/- 0.008 [13.00 ± 0.5/- 0.2]
W_1	0.315 + 0.059/- 0.000 [8.00 + 1.5]
T_1	0.079 ± 0.002 [2.00 ± 0.05]

TYPICAL CURVES - Frequency Characteristics of R, X, and Z

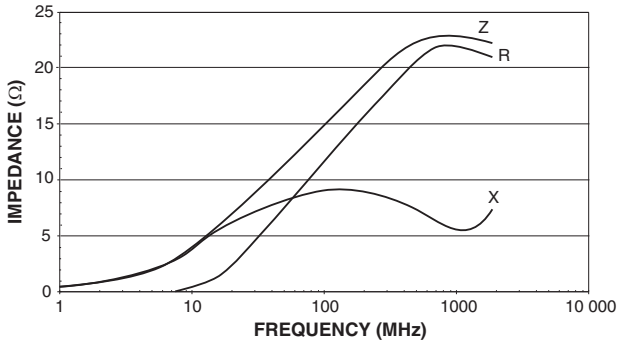
ILBB-0805 7 Ω



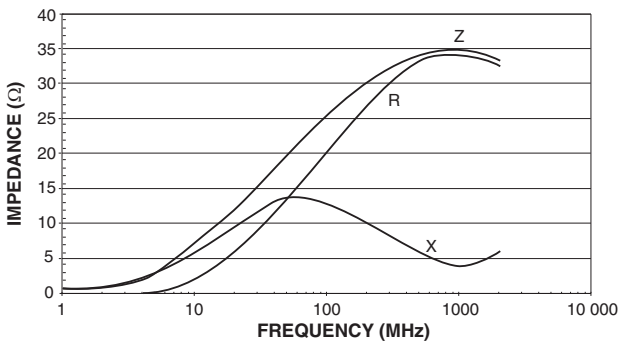
ILBB-0805 11 Ω



ILBB-0805 17 Ω



ILBB-0805 26 Ω

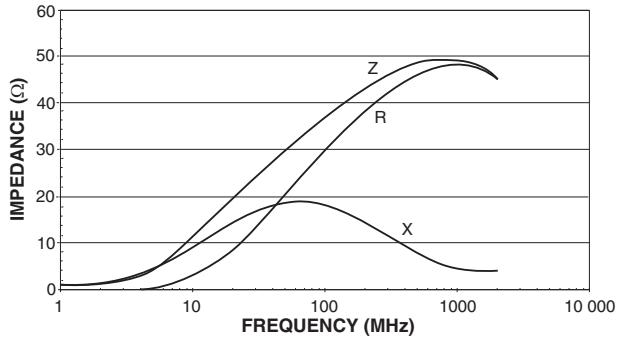


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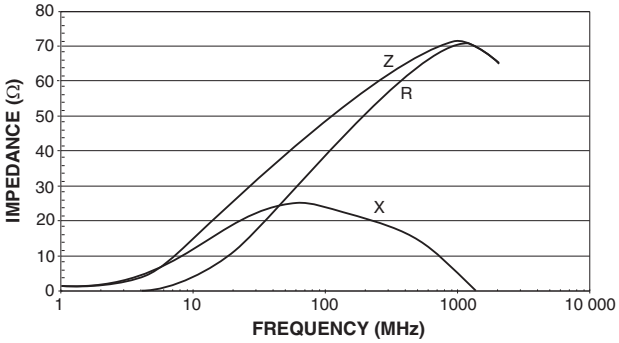
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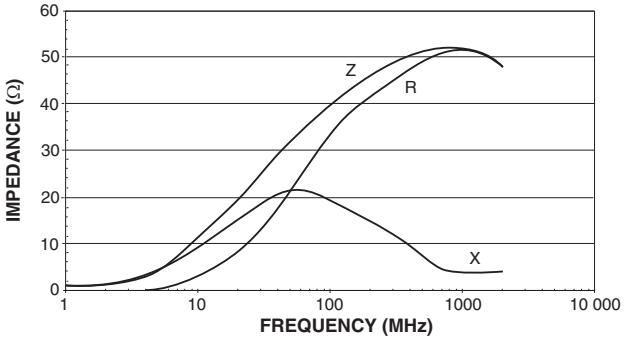
ILBB-0805 32 Ω



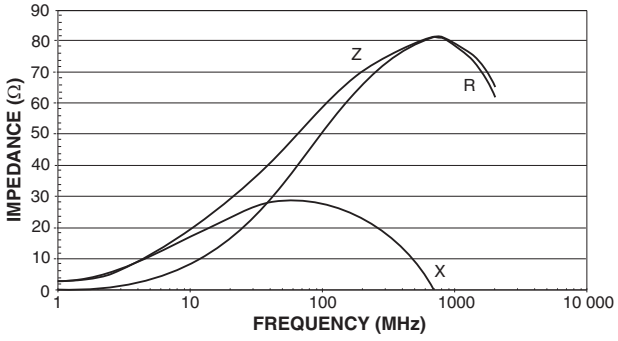
ILBB-0805 40 Ω



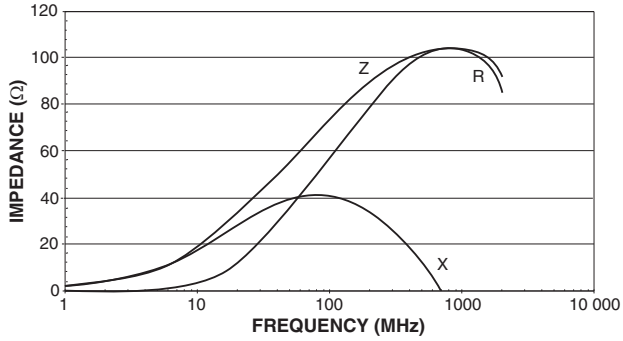
ILBB-0805 50 Ω



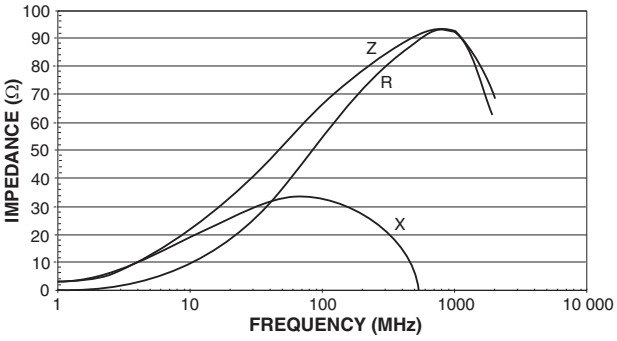
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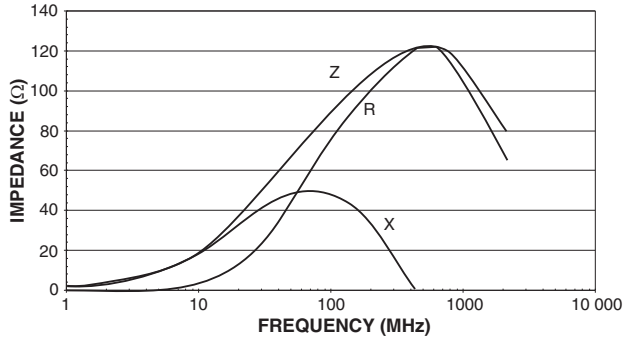
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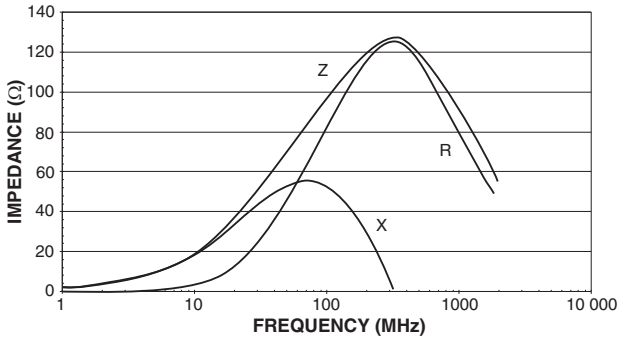
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ILBB-0805 90 Ω



ILBB-0805 100 Ω

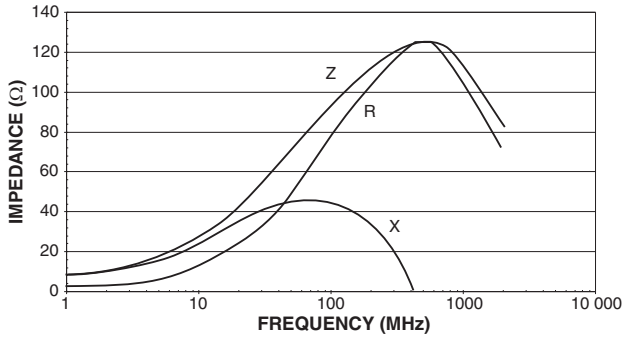


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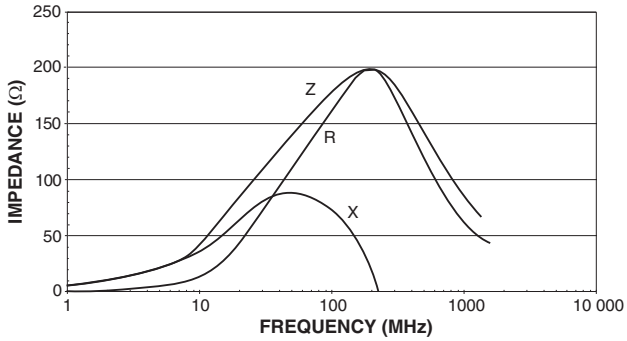
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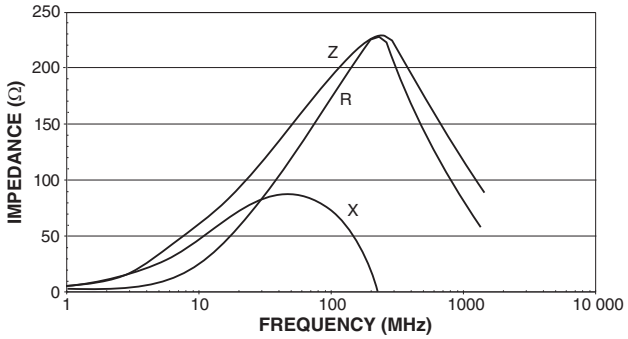
ILBB-0805 120 Ω



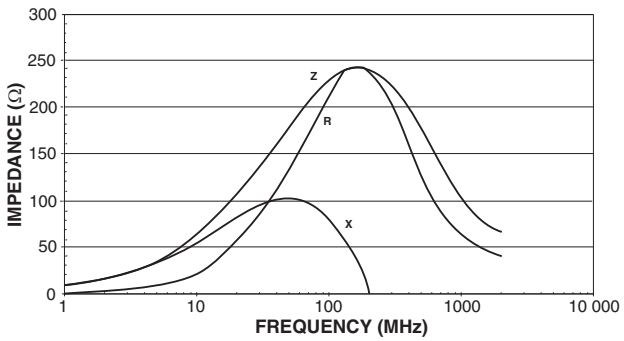
ILBB-0805 150 Ω



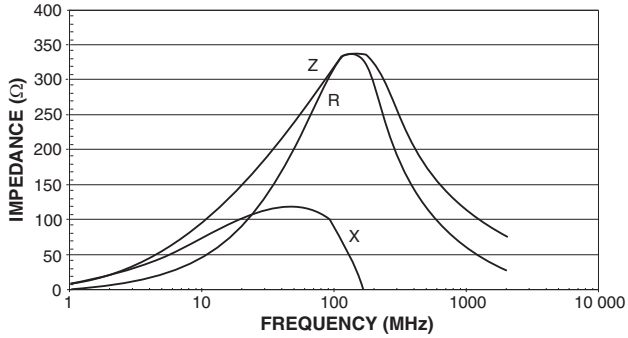
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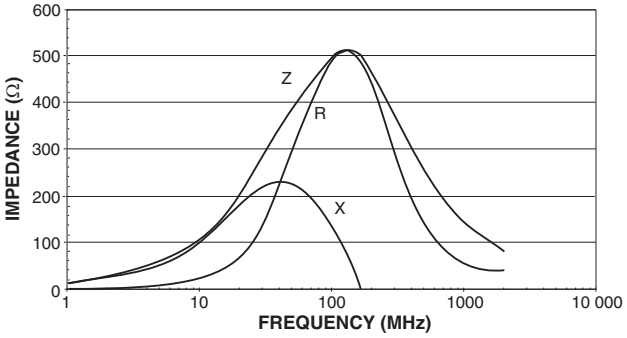
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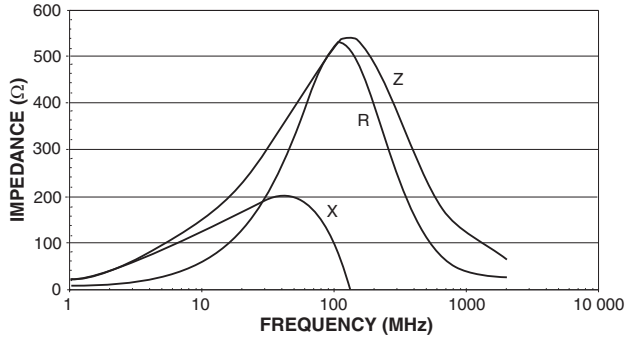
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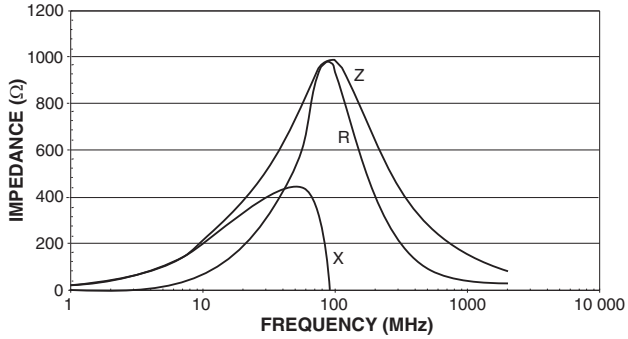
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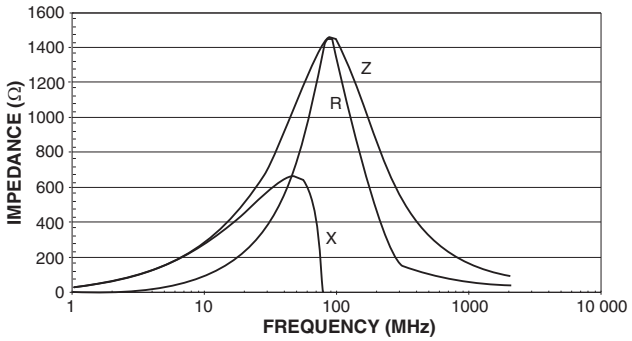


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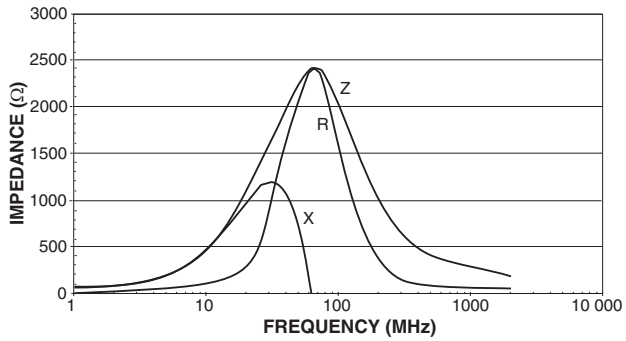
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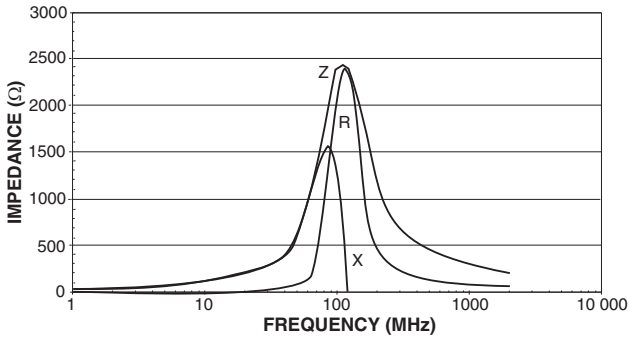
ILBB-0805 1500 Ω



ILBB-0805 2000 Ω



ILBB-0805 2200 Ω



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