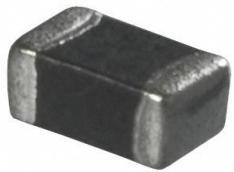


ILBB0805ER320V Datasheet

www.digi-electronics.com



<https://www.DiGi-Electronics.com>

DiGi Electronics Part Number	ILBB0805ER320V-DG
Manufacturer	Vishay Dale
Manufacturer Product Number	ILBB0805ER320V
Description	FERRITE BEAD 32 OHM 0805 1LN
Detailed Description	32 Ohms @ 100 MHz 1 Ferrite Bead 0805 (2012 Metric) 600mA 60mOhm

This model ILBB0805ER320V is available at DiGi Electronics.

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Purchase and inquiry

Manufacturer Product Number:

ILBB0805ER320V

Series:

ILBB-0805

Filter Type:

-

Impedance @ Frequency:

32 Ohms @ 100 MHz

DC Resistance (DCR) (Max):

60mOhm

Operating Temperature:

-55°C ~ 125°C

Mounting Type:

Surface Mount

Size / Dimension:

0.079" L x 0.049" W (2.00mm x 1.25mm)

Manufacturer:

Vishay Dale

Product Status:

Active

Number of Lines:

1

Current Rating (Max):

600mA

Ratings:

-

Package / Case:

0805 (2012 Metric)

Height (Max):

0.043" (1.10mm)

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8548.00.0000

Moisture Sensitivity Level (MSL):

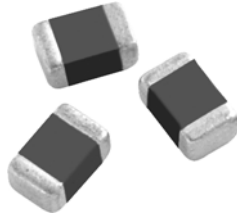
1 (Unlimited)

ECCN:

EAR99



Multilayer Ferrite Beads



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

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



RoHS
COMPLIANT
HALOGEN
FREE

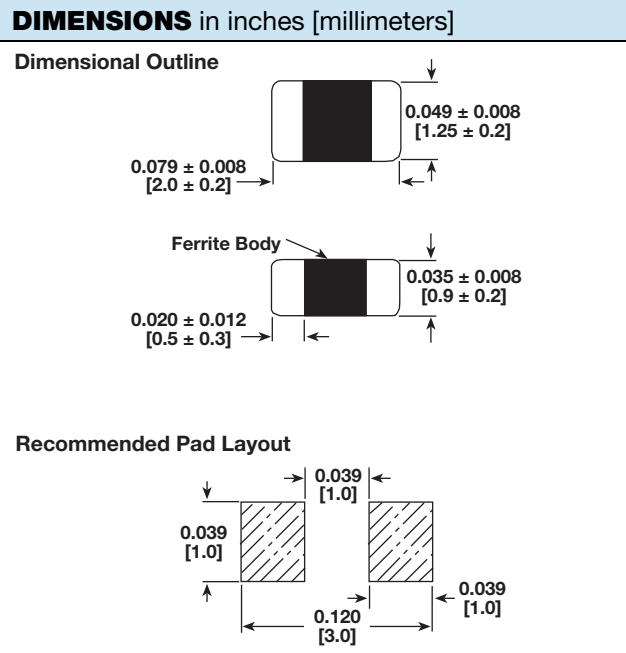
ENVIRONMENTAL SPECIFICATIONS

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



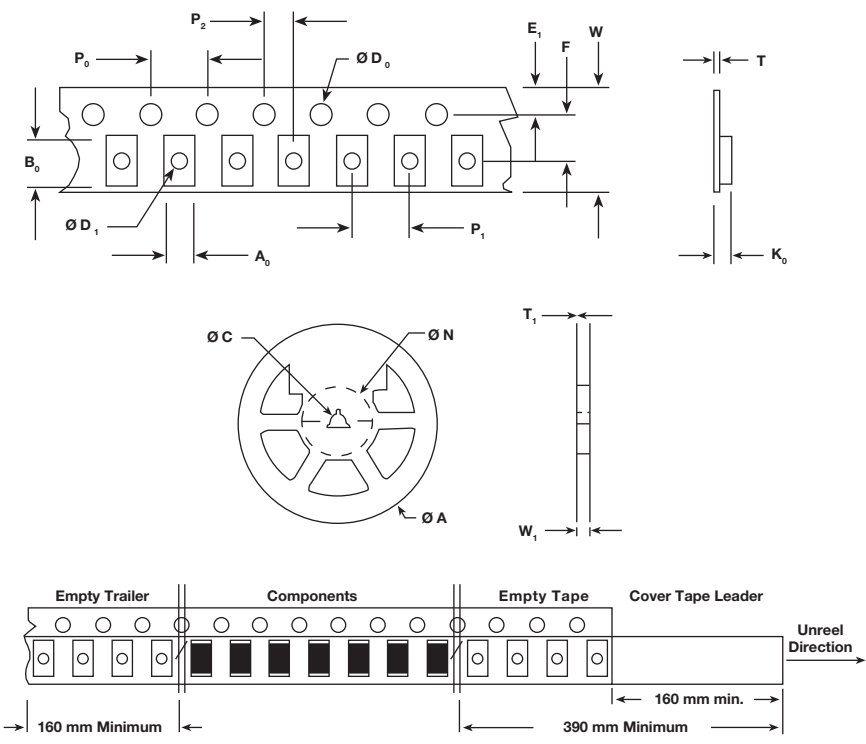
PACKAGING OPTIONS
• Tape and Reel: Embossed plastic carrier tape per EIA481-1, 4000 pieces on a 7" [178 mm] reel

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

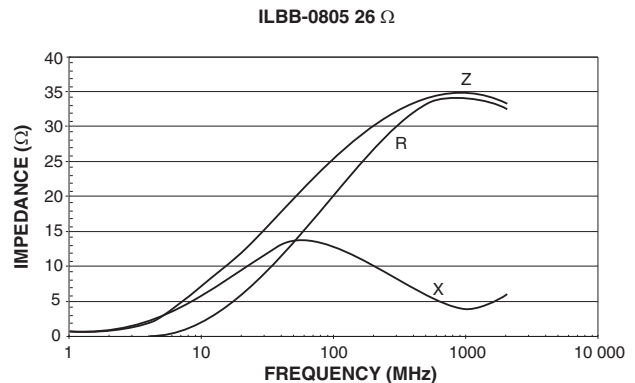
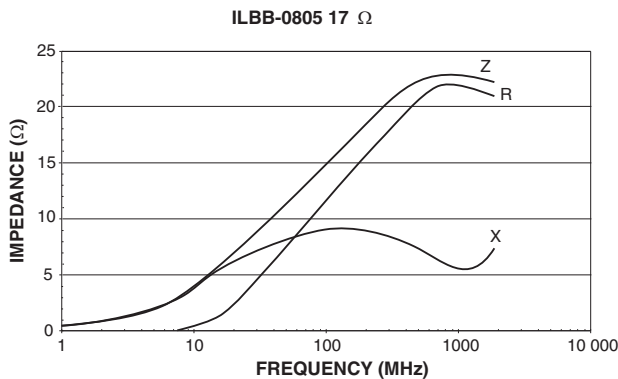
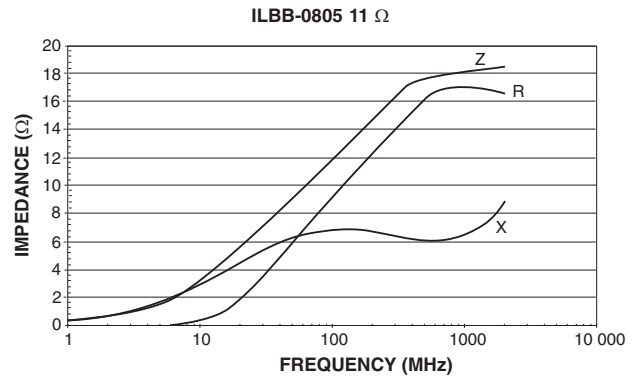
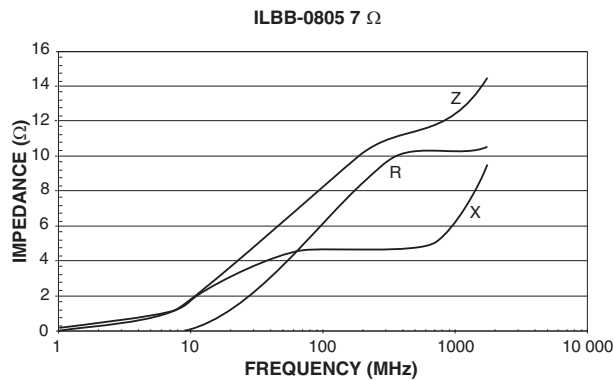


TAPE AND REEL SPECIFICATIONS 0805 SIZE PER EIA-481-1 in inches [millimeters]



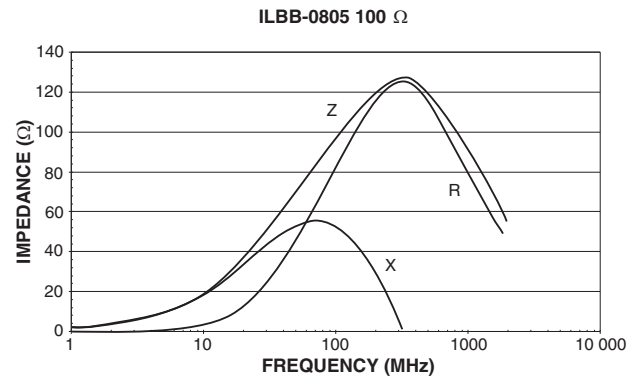
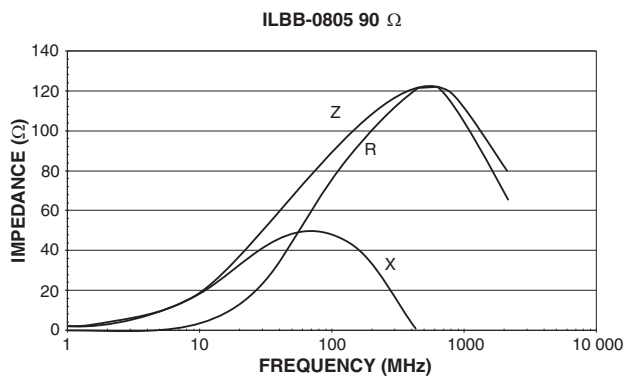
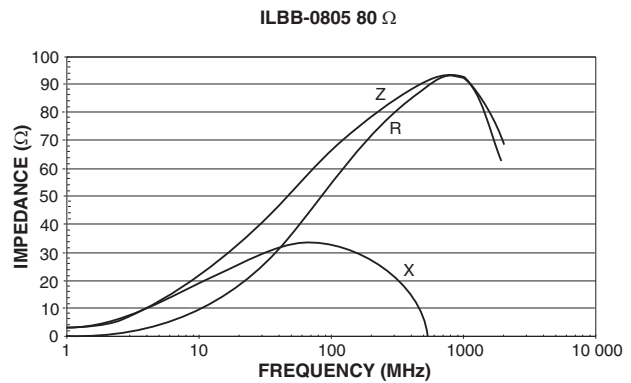
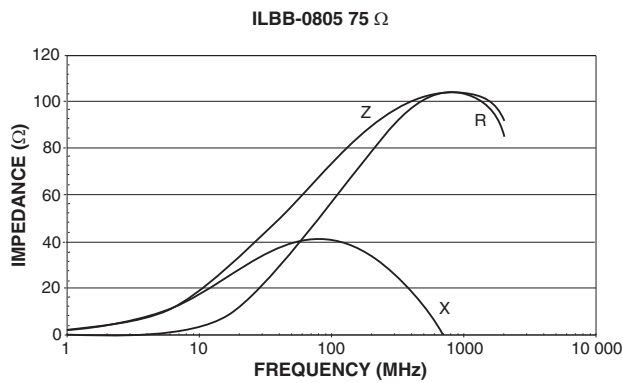
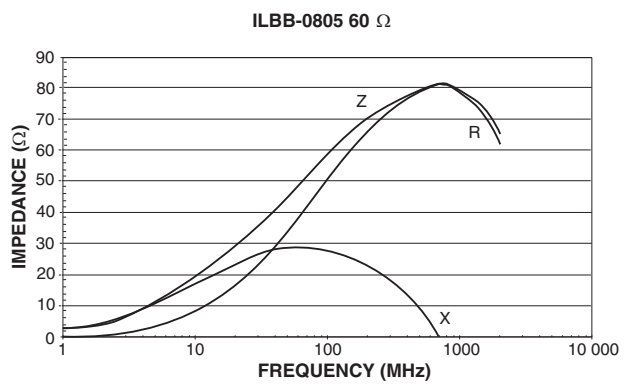
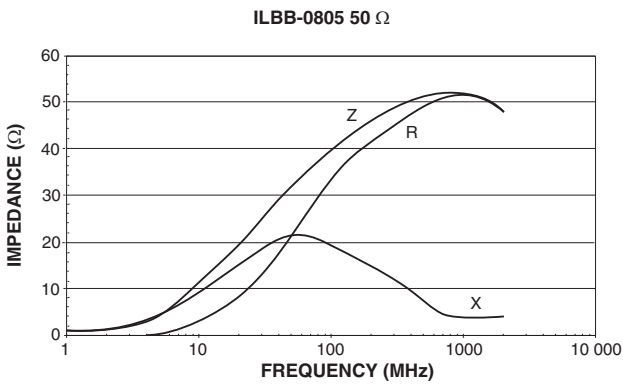
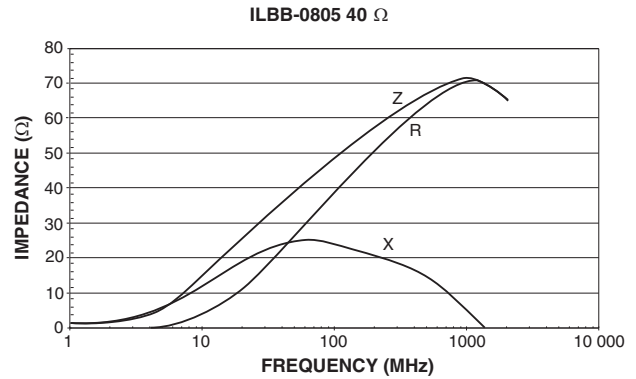
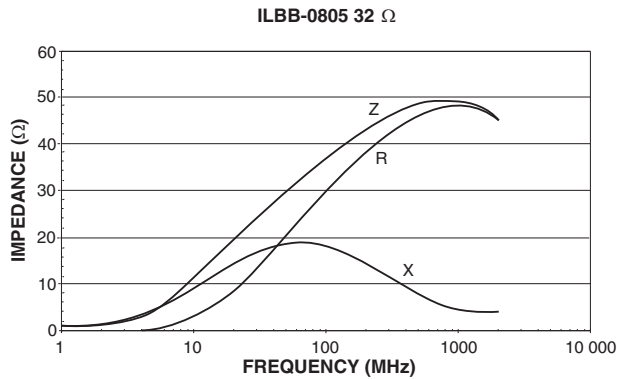
A ₀	0.059 ± 0.004 [1.50 ± 0.1]
B ₀	0.093 ± 0.006 [2.35 ± 0.15]
D ₀	0.059 + 0.004/- 0.000 [1.5 + 0.1/- 0.0]
D ₁	0.039 min. [1.0 min.]
E ₁	0.069 ± 0.004 [1.75 ± 0.1]
F	0.138 ± 0.002 [3.50 ± 0.05]
K ₀	0.049 ± 0.002 [1.24 ± 0.05]
P ₀	0.157 ± 0.004 [4.00 ± 0.1]
P ₁	0.157 ± 0.004 [4.00 ± 0.1]
P ₂	0.079 ± 0.002 [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



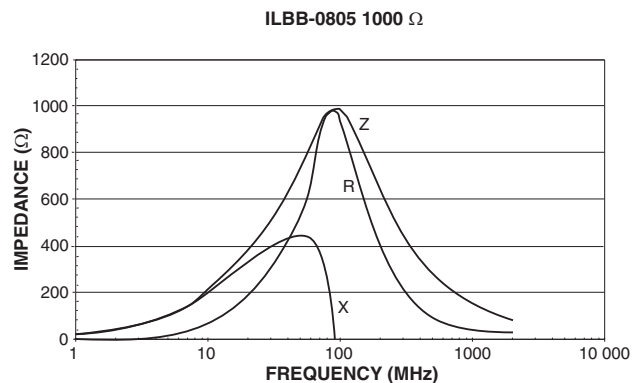
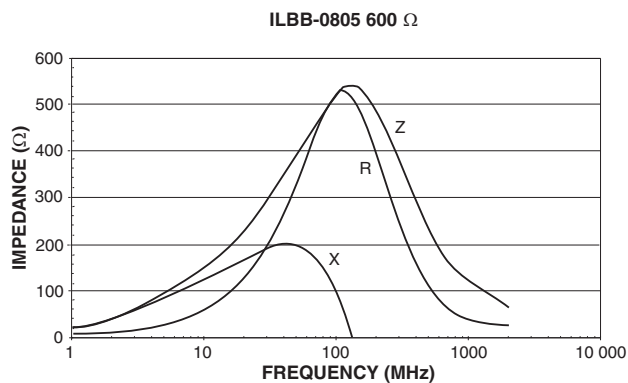
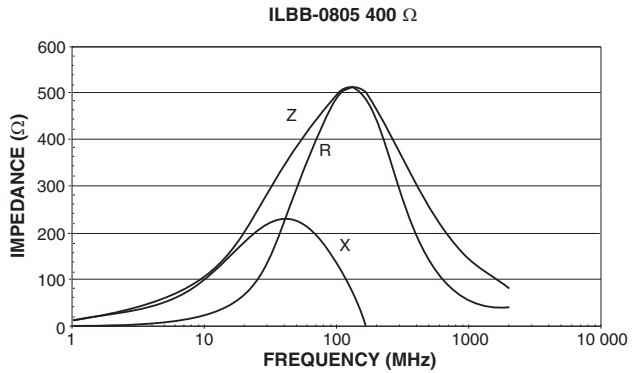
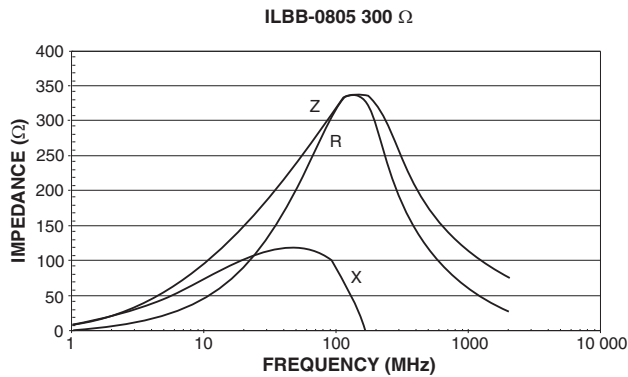
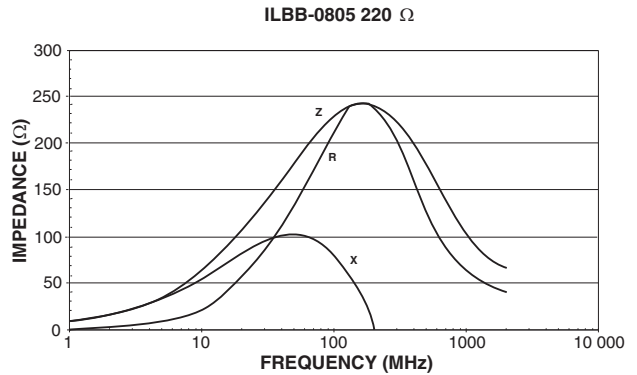
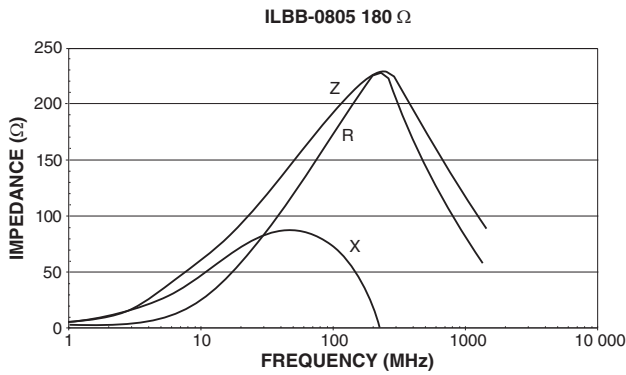
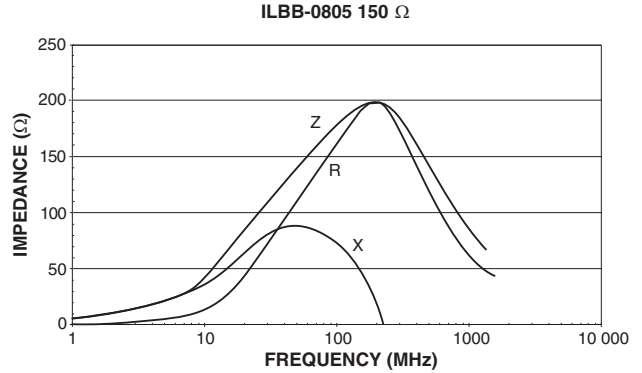
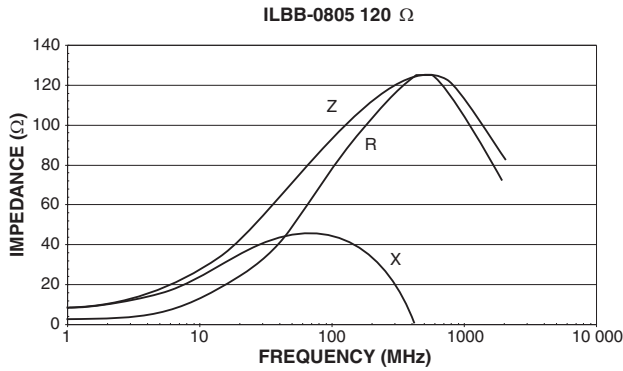


TYPICAL CURVES - Frequency Characteristics of R, X, and Z





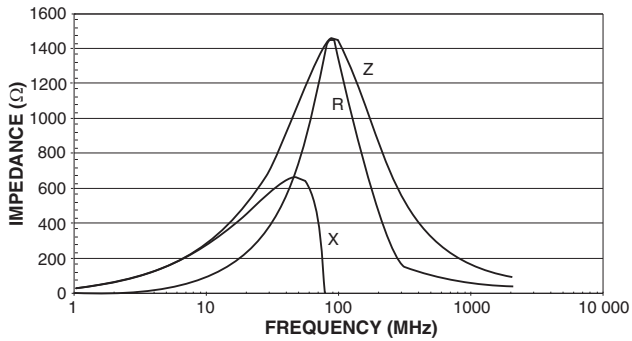
TYPICAL CURVES - Frequency Characteristics of R, X, and Z



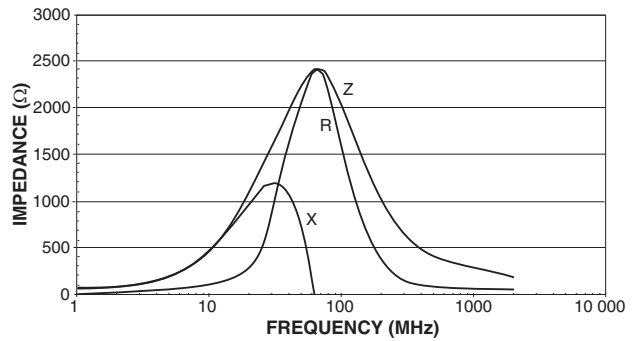


TYPICAL CURVES - Frequency Characteristics of R, X, and Z

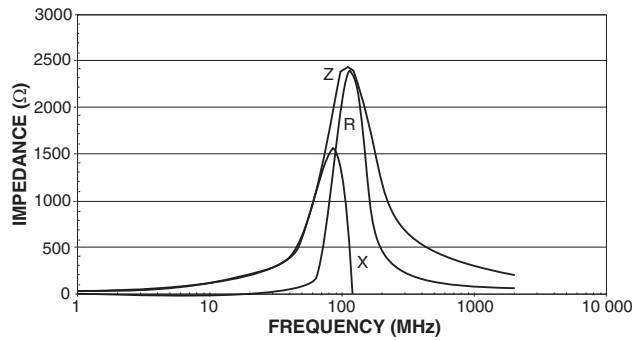
ILBB-0805 1500 Ω



ILBB-0805 2000 Ω



ILBB-0805 2200 Ω





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