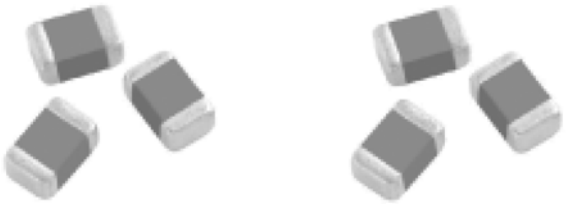
Multilayer Ferrite Beads



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: 0.2 kg (0.44 lbs) minimum for 30 s

Beam Strength: 0.2 kg (0.44 lbs) minimum

Flex: 0.2 mm minimum mounted on a 1.6 mm thick PC board

ENVIRONMENTAL SPECIFICATIONS

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

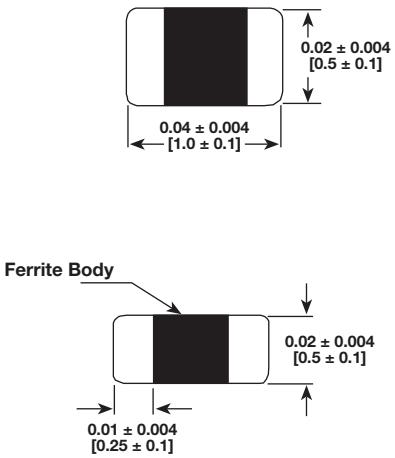
Thermal Shock: 100 cycles, - 40 °C to + 125 °C

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)
20	0.13	300
30	0.20	300
40	0.20	300
60	0.30	300
70	0.30	300
120	0.45	300
240	0.70	200
300	0.80	200
600	1.00	200

DIMENSIONS in inches [millimeters]



DESCRIPTION

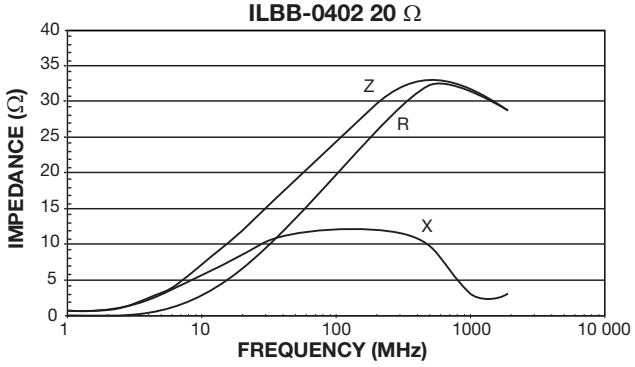
ILBB-0402	120	± 25 %	ER	e3
MODEL	IMPEDANCE VALUE	IMPEDANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER

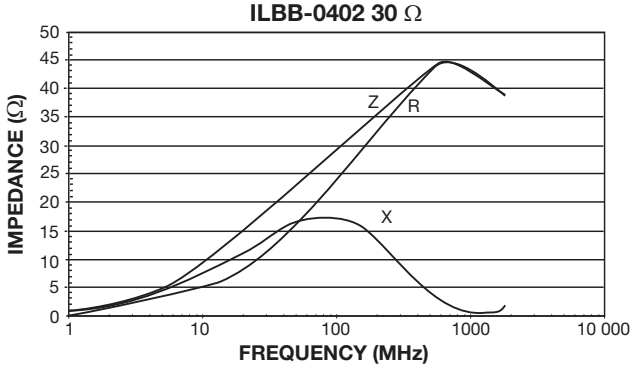
I	L	B	B	0	4	0	2	E	R	1	2	1	V
PRODUCT FAMILY				SIZE				PACKAGE CODE		IMPEDANCE VALUE			IMPEDANCE TOLERANCE

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

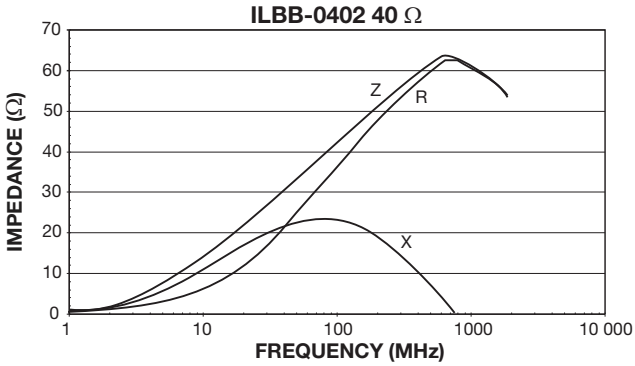
ILBB-0402 20 Ω



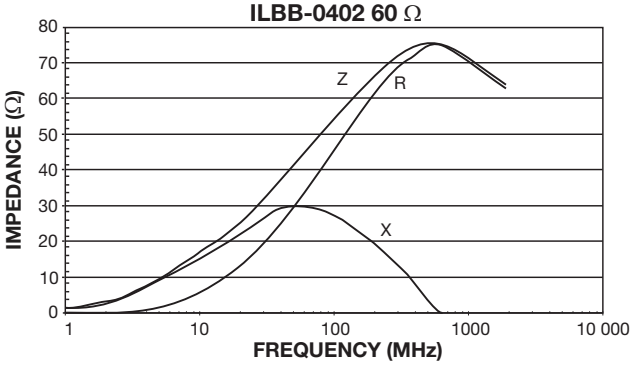
ILBB-0402 30 Ω



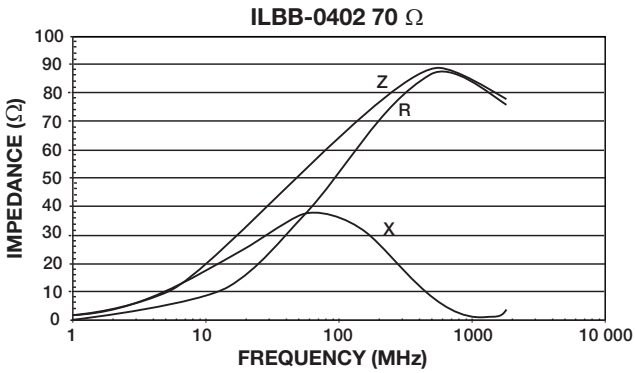
ILBB-0402 40 Ω



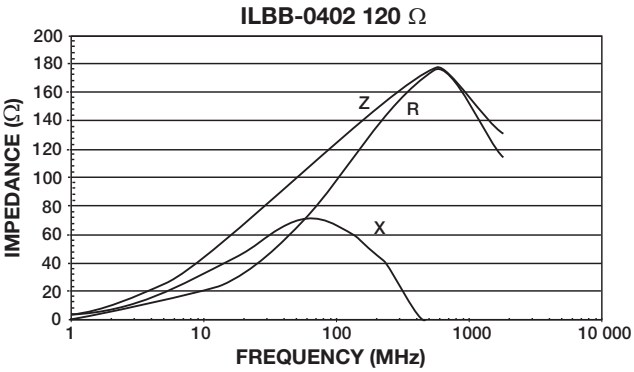
ILBB-0402 60 Ω



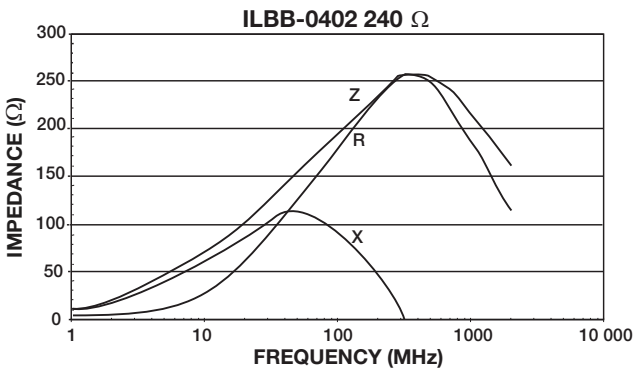
ILBB-0402 70 Ω



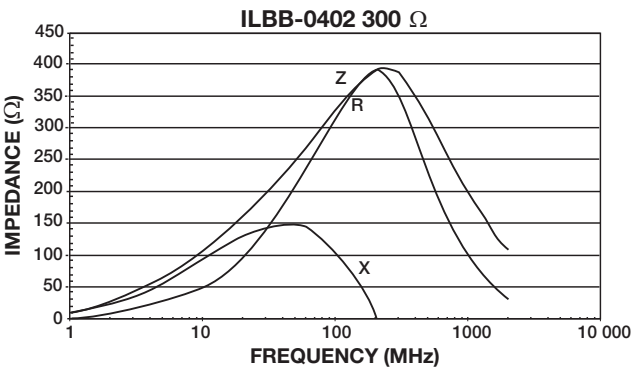
ILBB-0402 120 Ω



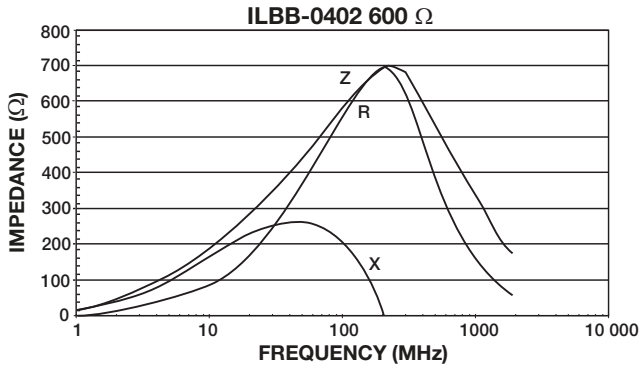
ILBB-0402 240 Ω



ILBB-0402 300 Ω



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



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