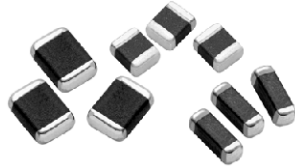


Multilayer Ferrite Beads



FEATURES

- High reliability
- Surface mountable
- Magnetically self shielded
- Nickel barrier plating virtually eliminates silver migration
- 100 % lead (Pb)-free and RoHS compliant


RoHS
COMPLIANT

MECHANICAL SPECIFICATIONS

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

Resistance To Solder Heat: 10 seconds in 260 °C solder after preheat and flux per above

Terminal Strength: (1210) 1.0 kg, (1806) 1.0 kg, (1812) 1.5 kg for 30 seconds

Beam Strength: (1210) 2.5 kg, (1806) 2.5 kg, (1812) 2.5 kg

ENVIRONMENTAL SPECIFICATIONS

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

Thermal Shock: 300 cycles, - 40 °C to + 125 °C

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

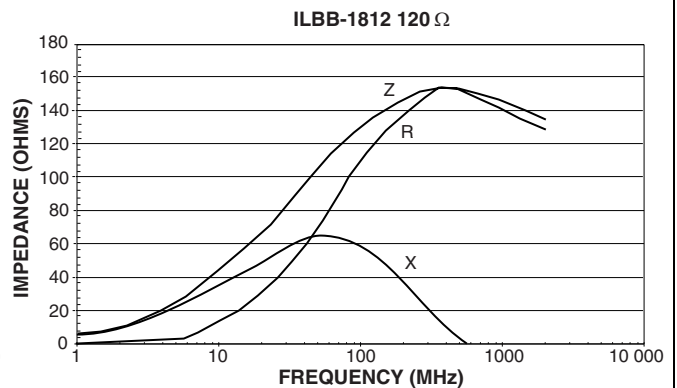
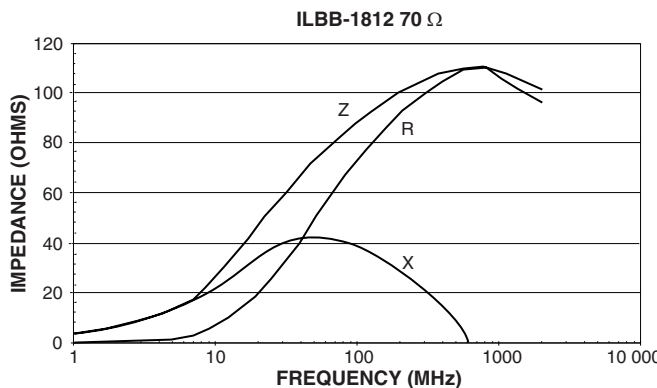
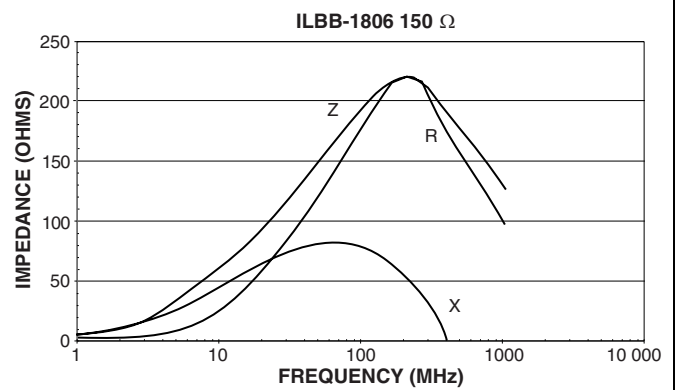
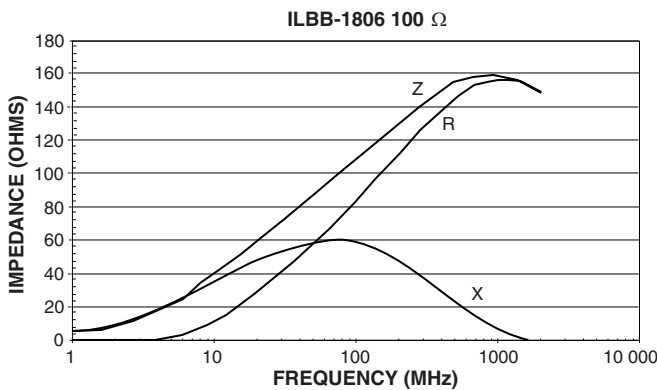
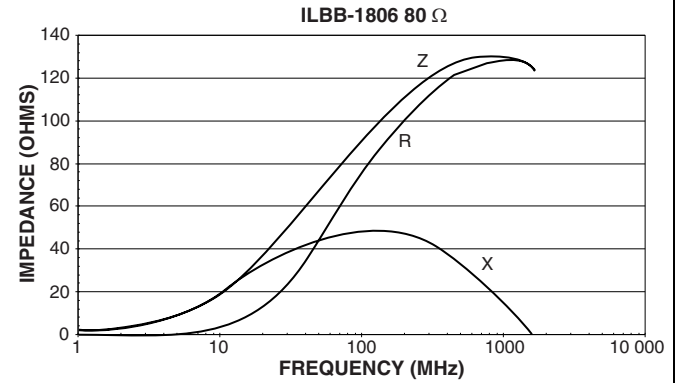
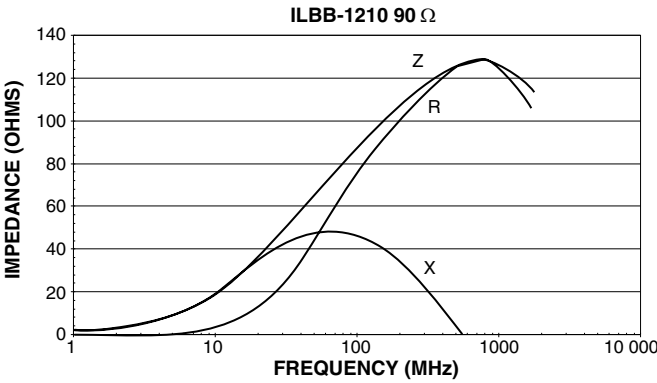
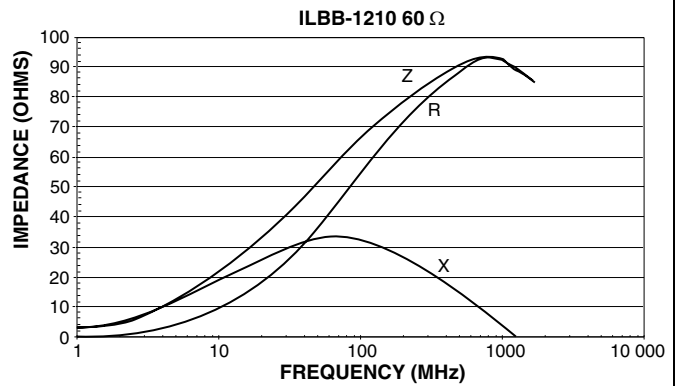
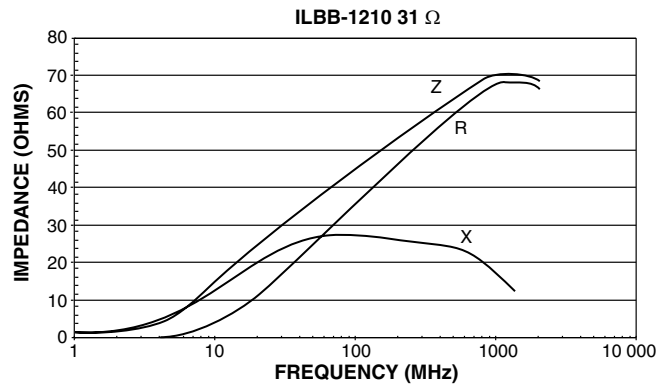
STANDARD ELECTRICAL SPECIFICATIONS			
PART NUMBER	Z at 100 MHz (± 25 %)	DCR MAX. (Ohms)	RATED DC CURRENT (mA)
ILBB-1210	31	0.30	400
ILBB-1210	60	0.30	400
ILBB-1210	90	0.30	400
ILBB-1806	80	0.30	400
ILBB-1806	100	0.30	300
ILBB-1806	150	0.50	200
ILBB-1812	70	0.40	200
ILBB-1812	120	0.40	200

DIMENSIONS in inches [millimeters]				
Dimensional Outline				
SIZE	A	B	C	D
1210	0.126 ± 0.008 [3.2 ± 0.2]	0.098 ± 0.008 [2.5 ± 0.2]	0.051 ± 0.008 [1.3 ± 0.02]	0.020 ± 0.012 [0.5 ± 0.3]
1806	0.177 ± 0.010 [4.5 ± 0.25]	0.063 ± 0.008 [1.6 ± 0.2]	0.063 ± 0.008 [1.6 ± 0.2]	0.024 ± 0.016 [0.6 ± 0.4]
1812	0.177 ± 0.010 [4.5 ± 0.25]	0.126 ± 0.010 [3.2 ± 0.25]	0.059 ± 0.010 [1.5 ± 0.25]	0.024 ± 0.016 [0.6 ± 0.4]

DESCRIPTION					
ILBB	1806	80	± 25 %	ER	e3
MODEL	SIZE	IMPEDANCE VALUE	IMPEDANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD
GLOBAL PART NUMBER					
I	L	B	B	1	8
MODEL				0	6
				E	R
				PACKAGE CODE	
				8	0
				IMPEDANCE VALUE	
				V	
				IMPEDANCE TOLERANCE	



TYPICAL CURVES - FREQUENCY CHARACTERISTICS OF Z, X AND R





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