

High Current Multilayer Ferrite Beads



MECHANICAL SPECIFICATIONS

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

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

Terminal Strength: 0603: 0.3 kg (0.66 lbs), 0805: 0.6 kg (1.3 lbs), 1206: 1.0 kg (2.2 lbs), 1806: 1.0 kg (2.2 lbs), 1812: 1.5 kg (3.3 lbs) for 30 s

Beam Strength: 0603: 0.3 kg (0.66 lbs), 0805: 1.0 kg (2.2 lbs), 1206: 2.0 kg (4.4 lbs), 1806: 2.5 kg (5.5 lbs), 1812: 2.5 kg (5.5 lbs)

STANDARD ELECTRICAL SPECIFICATIONS								
PART NUMBER	Z ± 25 % (Ω)	TEST FREQUENCY (MHz)	DCR MAX. (Ω)	RATED DC CURRENT (mA)				
ILHB0603ER600V	60	100	0.04	3000				
ILHB0603ER121V	120	100	0.04	3000				
ILHB0805ER300V	30	100	0.015	6000				
ILHB0805ER600V	60	100	0.040	3000				
ILHB0805ER900V	90	100	0.020	5000				
ILHB0805ER121V	120	100	0.020	5000				
ILHB0805ER251V	250	100	0.040	3000				
ILHB0805ER601V	600	100	0.090	2000				
ILHB1206ER500V	50	100	0.015	6000				
ILHB1206ER750V	75	100	0.040	3000				
ILHB1206ER121V	120	100	0.015	6000				
ILHB1206ER501V	500	100	0.070	2500				
ILHB1206ER601V	600	100	0.070	2500				
ILHB1806ER600V	60	100	0.015	6000				
ILHB1812ER121V	120	100	0.015	6000				
ILHB1812ER601V	600	50	0.04	3000				
ILHB1812ER132V	1300	60	0.04	3000				

FEATURES

- · High reliability
- Surface mountable (multiple case sizes)
- Current rating up to 6 A
- Magnetically self shielded
- Nickel barrier plating virtually eliminates silver migration
- Material categorization: for definitions of compliance please see <u>www.vishay.com/doc?99912</u>

Pb-free

ROHS COMPLIANT HALOGEN

FREE

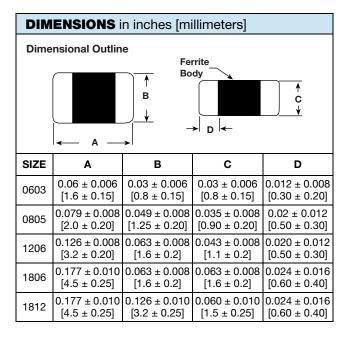
ENVIRONMENTAL SPECIFICATIONS

Operating Temperature: -55 °C to +125 °C Thermal Shock: 100 cycles, -40 °C to +125 °C

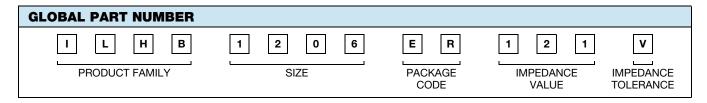
Biased Humidity: 85 % RH at 85 °C, 1000 h at full rated

current

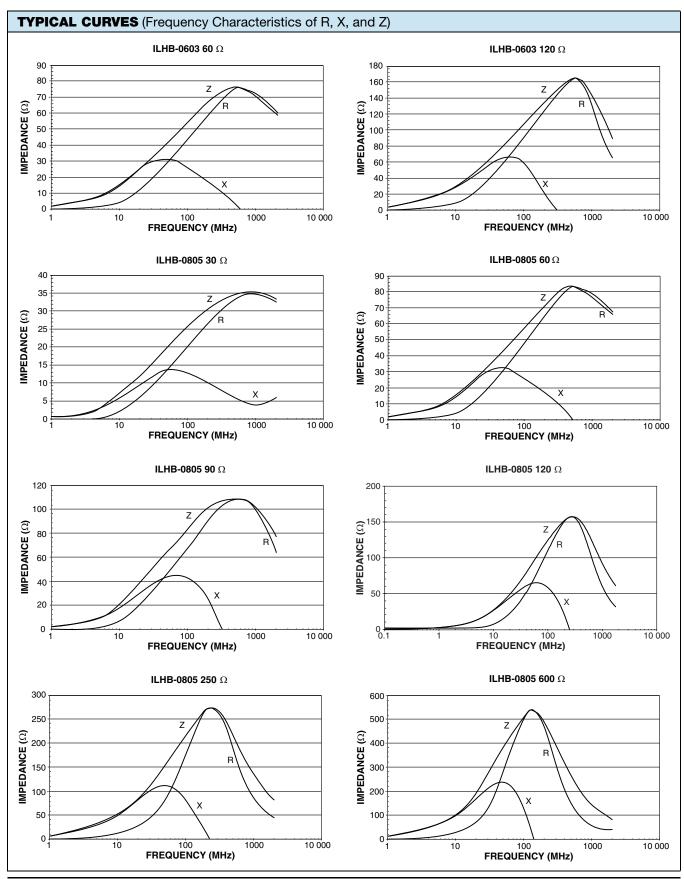
Voltage Rating: 100 V



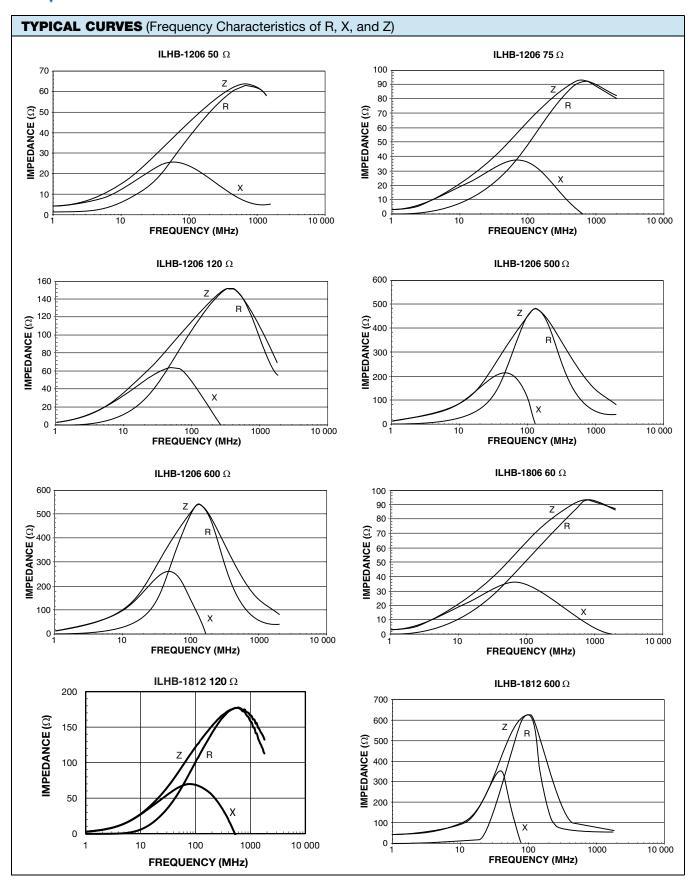
DESCRIP	TION				
ILHB	1206	120	± 25 %	ER	e3
MODEL	SIZE	IMPEDANCE VALUE	IMPEDANCE TOLERANCE	PACKAGE CODE	JEDEC® LEAD (Pb)-FREE STANDARD



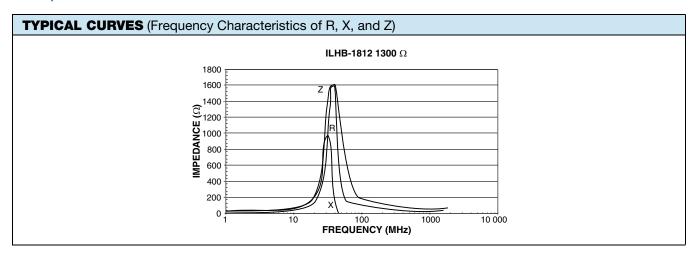














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