Vishay Dale

ILHB

High Current Multilayer Ferrite Beads



www.vishay.com

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)				
ILHB-0603	60	100	0.10	2000				
	120	100	0.10	2000				
ILHB-0805	30	100	0.015	6000				
	60	100	0.03	3000				
	90	100	0.025	5000				
ILI ID-0005	120	100	0.03	5000				
	250	100	0.04	3000				
	600	100	0.10	2000				
	50	100	0.02	6000				
	75	100	0.03	3000				
ILHB-1206	120	100	0.02	6000				
	500	100	0.06	2500				
	600	100	0.10	2500				
ILHB-1806	60	100	0.02	6000				
ILHB-1812	120	100	0.02	6000				
	600	50	0.04	3000				
	1300	60	0.05	3000				

FEATURES

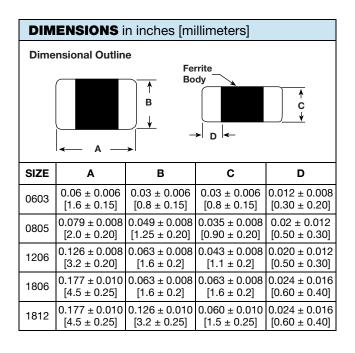
- High reliability
- Surface mountable (multiple case sizes)
- Current rating up to 6 A
- Magnetically self shielded
- Nickel barrier plating virtually eliminates silver migration
- RoHS COMPLIANT HALOGEN FREE
- · Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

ENVIRONMENTAL SPECIFICATIONS

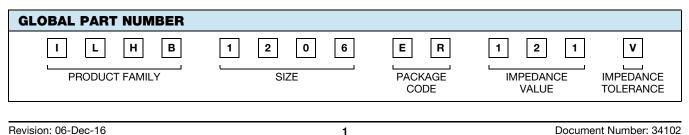
Operating Temperature: -55 °C to +125 °C

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

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



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



Revision: 06-Dec-16

For technical questions, contact: magnetics@vishay.com

Document Number: 34102

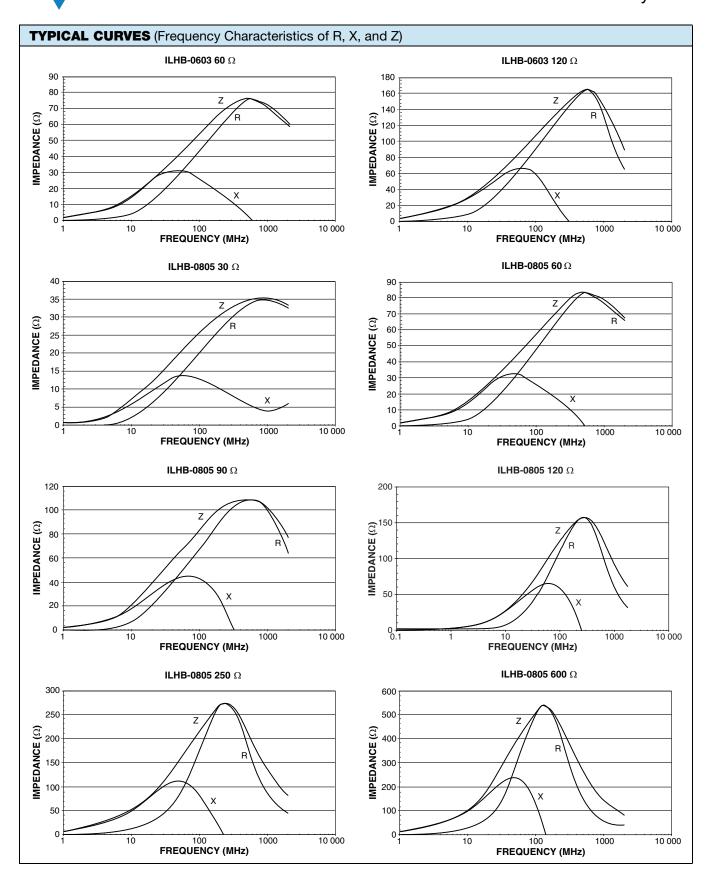
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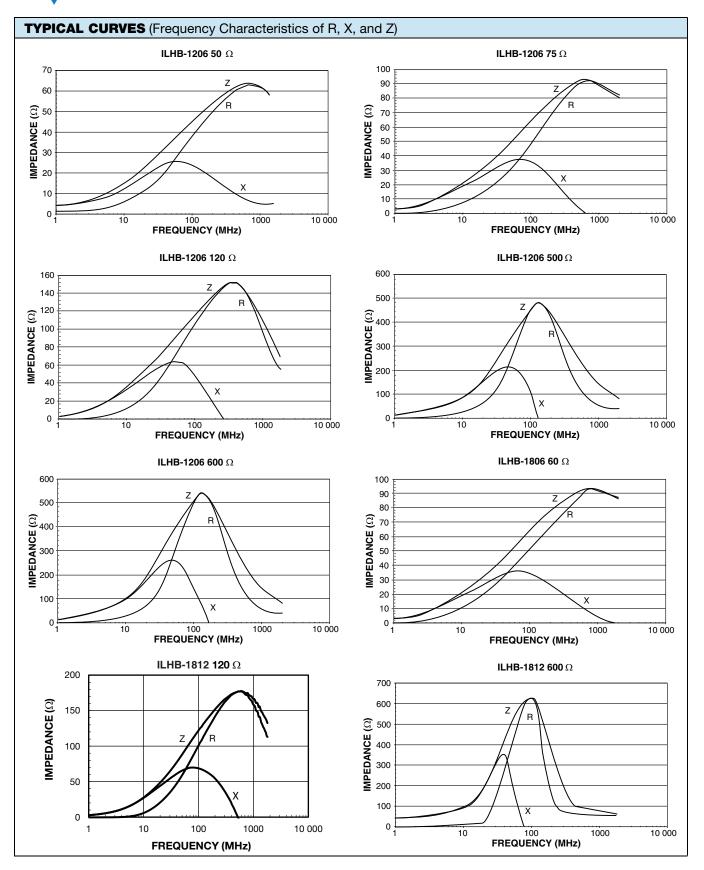
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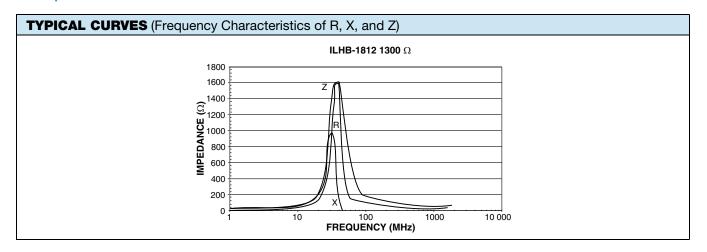
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ILHB0603RK600V	ILHB1812ER132V	ILHB0805ER300V	ILHB1206RK500V	ILHB1206ER121V	ILHB1812ER121V
ILHB1812RK601V	ILHB1806RK600V	ILHB0603RK121V	ILHB0805RK251V	ILHB0805ER251V	ILHB0805ER900V
ILHB0805RK121V	ILHB1206RK750V	ILHB1812RK132V	ILHB0805RK300V	ILHB1812RK121V	ILHB1206RK501V
ILHB0805RK600V	ILHB0805RK601V	ILHB1206RK601V	ILHB1206RK121V	ILHB0805RK900V	ILHB1206ER501V
ILHB1206ER500V	ILHB0805ER121V	ILHB0603ER121V	ILHB1206ER601V	ILHB1806ER600V	ILHB1812ER601V
ILHB1206ER750V	ILHB0805ER601V	ILHB0805ER600V	ILHB0603ER600V		