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		
	120	100	0.03	5000		
	250	100	0.04	3000		
	600	100	0.10	2000		
ILHB-1206	50	100	0.02	6000		
	75	100	0.03	3000		
	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

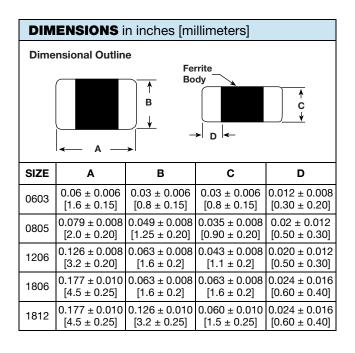
- High reliability
- Surface mountable (multiple case sizes)
- Current rating up to 6 A
- Magnetically self shielded
- Nickel barrier plating virtually eliminates silver migration
- RoHS COMPLIANT HALOGEN FREE
- · Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

### ENVIRONMENTAL SPECIFICATIONS

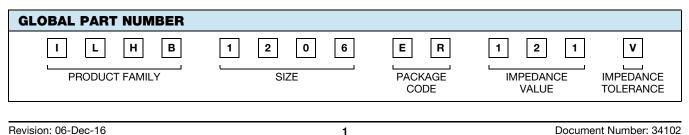
Operating Temperature: -55 °C to +125 °C

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 <sup>®</sup> LEAD (Pb)-FREE STANDARD			



Revision: 06-Dec-16

For technical questions, contact: magnetics@vishay.com

Document Number: 34102

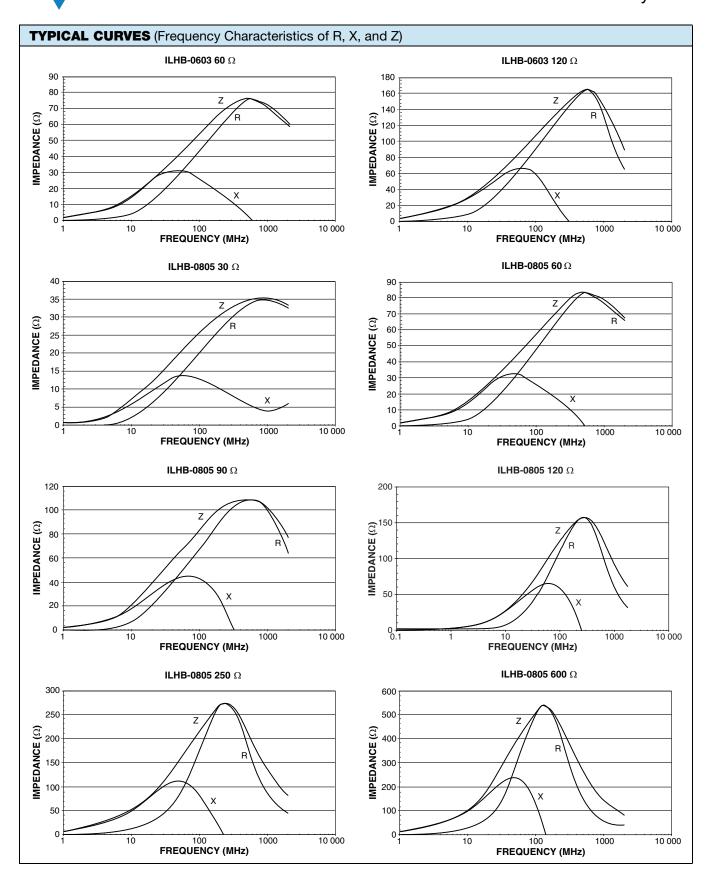
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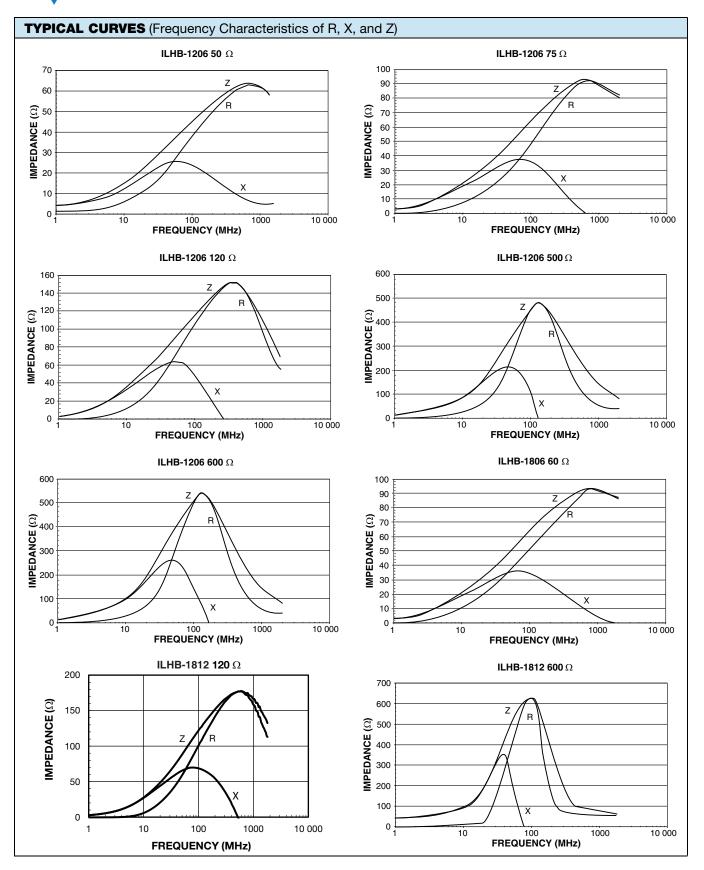
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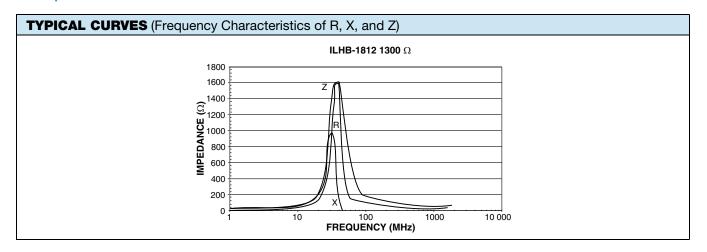
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