Vishay Dale

ILHB

www.vishay.com

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)				
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				
	120	100	0.02	6000				
ILHB-1812	600	50	0.04	3000				
	1300	60	0.05	3000				

FEATURES

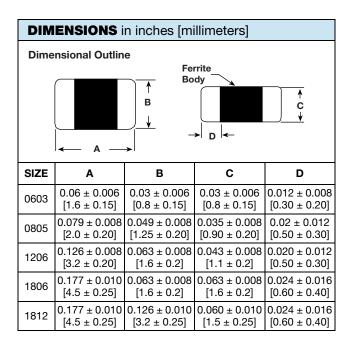
- High reliability
- Surface mountable (multiple case sizes)
- Current rating up to 6 A
- Magnetically self shielded
- Nickel barrier plating virtually eliminates silver migration
- RoHS COMPLIANT HALOGEN FREE
- Material categorization: For definitions of compliance please see www.vishay.com/doc?99912

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		

GLOBAL PART NUMBER				
I L H B PRODUCT FAMILY	1 2 0 6 SIZE	E R PACKAGE CODE	1 2 1 IMPEDANCE VALUE	V IMPEDANCE TOLERANCE

Revision: 19-Jun-12

1

Document Number: 34102

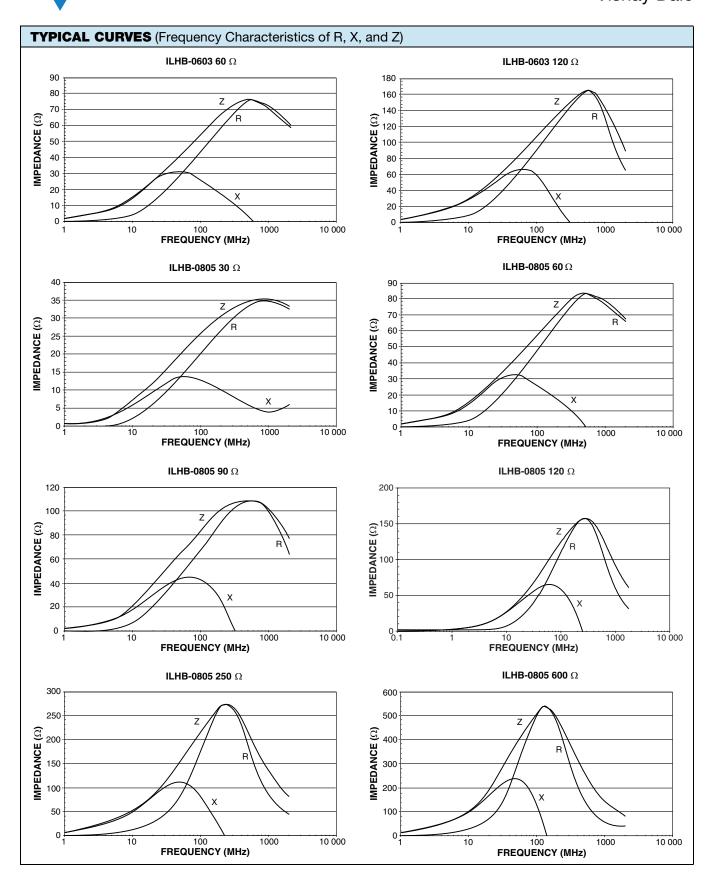
For technical questions, contact: magnetics@vishay.com

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Revision: 19-Jun-12

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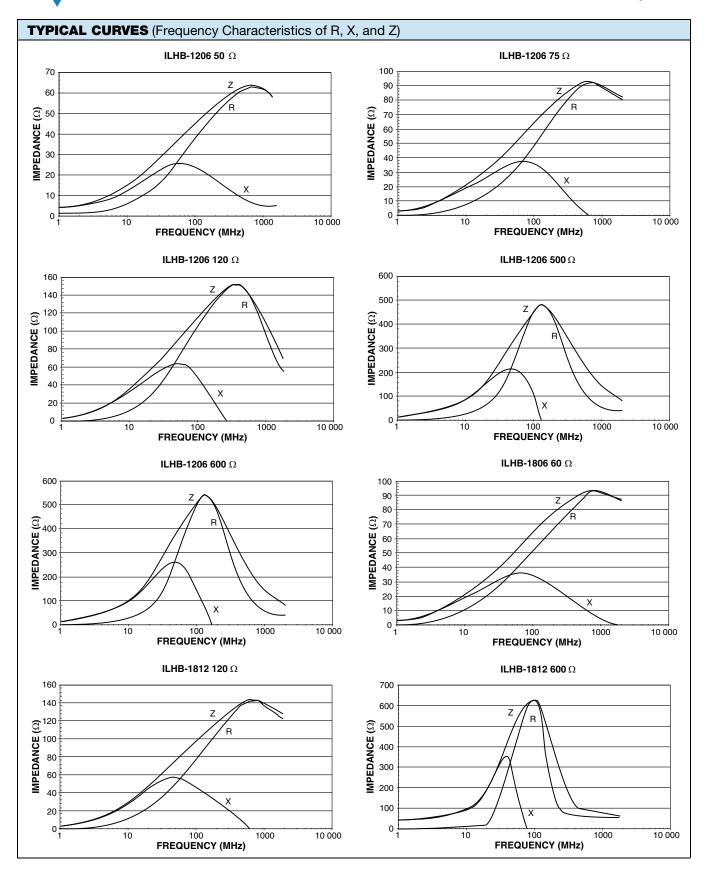
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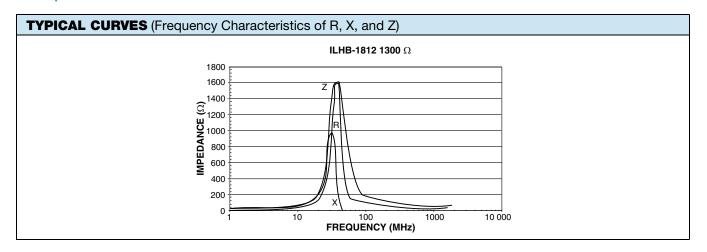
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