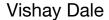
HALOGEN FREE





## **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					
	30	100	0.015	6000					
	60	100	0.03	3000					
ILHB-0805	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**

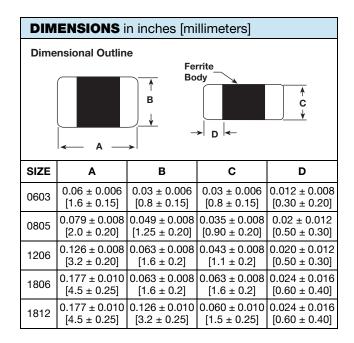
- · High reliability
- Surface mountable
- Current rating up to 6 A
- · Magnetically self shielded
- Nickel barrier plating virtually eliminates silver migration
- Compliant to RoHS Directive 2002/95/EC
- Halogen-free according to IEC 61249-2-21 definition

### **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



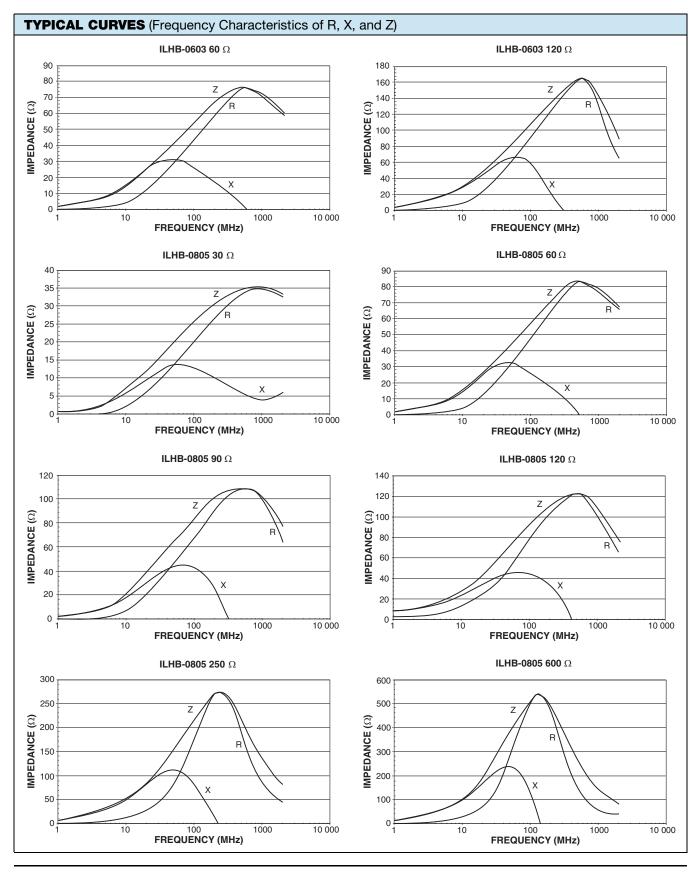
DESCRIPTION									
ILHB	1206	120	± 25 %	ER	e3				
MODEL	SIZE	IMPEDANCE VALUE	IMPEDANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD				

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

Document Number: 34102 Revision: 24-Feb-11

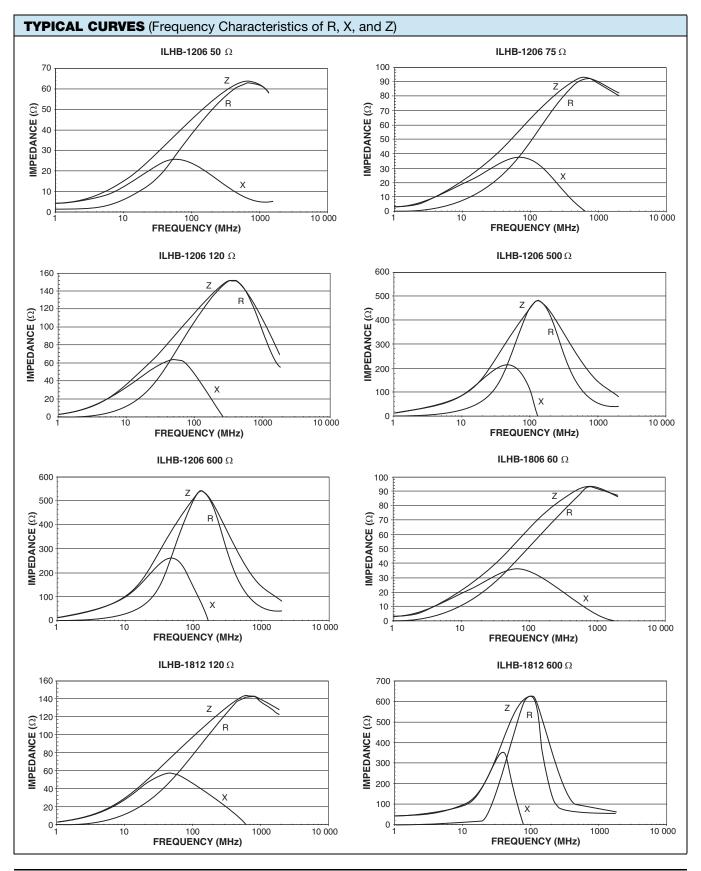
### High Current Multilayer Ferrite Beads











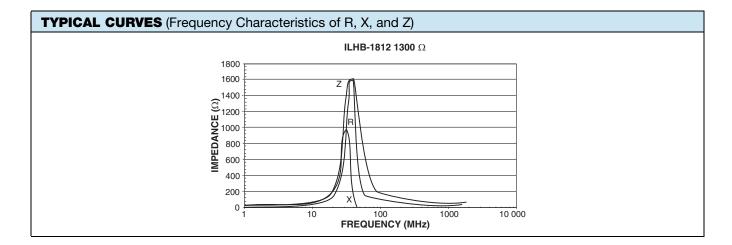
Document Number: 34102 Revision: 24-Feb-11

# **ILHB**

# Vishay Dale

## High Current Multilayer Ferrite Beads





# **Legal Disclaimer Notice**



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