

# ILBB-1210, ILBB-1806, ILBB-1812

Vishay Dale

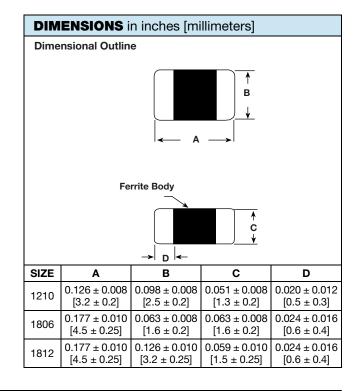
## **Multilayer Ferrite Beads**

### FEATURES

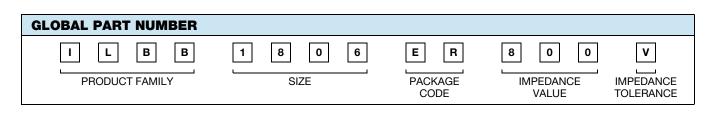
- High reliability
- Surface mountable (multiple case sizes)
- Magnetically self shielded
- Nickel barrier plating virtually eliminates silver migration
  COMPLIANT HALOGEN
  FREE
- Compliant to RoHS Directive 2011/65/EU
- Halogen-free according to IEC 61249-2-21 definition

### ENVIRONMENTAL SPECIFICATIONS

**Operating Temperature:** - 55 °C to + 125 °C **Thermal Shock:** 300 cycles, - 40 °C to + 125 °C **Biased Humidity:** 85 % RH at 85 °C, 1000 h at full rated current



DESCRIPTION							
ILBB	1806	80	± 25 %	ER	e3		
MODEL	SIZE	IMPEDANCE VALUE	IMPEDANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD		



Revision: 23-Feb-12

1 For technical questions, contact: <u>magnetics@vishav.com</u> Document Number: 34101

Pb-free

RoHS



#### **MECHANICAL SPECIFICATIONS**

**Solderability:** 90 % coverage after 5 s dip in 235 °C solder following 60 s preheat at 120 °C to 150 °C and type R flux dip **Resistance to Solder Heat:** 10 s in 260 °C solder, after preheat and flux per above

**Terminal Strength:** 1210: 1.0 kg (2.2 lbs), 1806: 1.0 kg (2.2 lbs), 1812: 1.5 kg (3.3 lbs) for 30 s

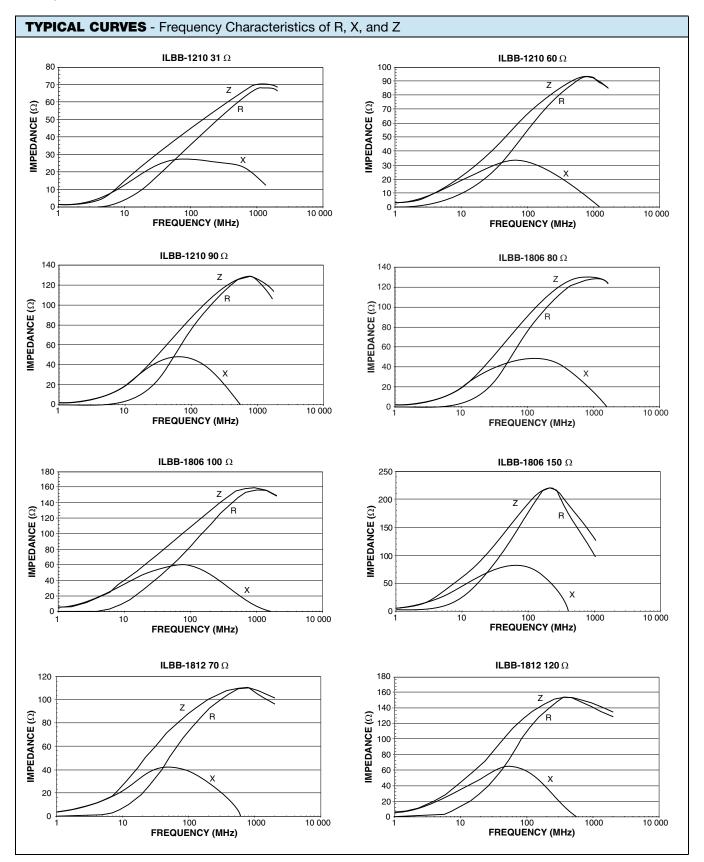
**Beam Strength:** 1210: 2.5 kg (5.5 lbs), 1806: 2.5 kg (5.5 lbs), 1812: 2.5 kg (5.5 lbs)

STANDARD ELECTRICAL SPECIFICATIONS							
PART NUMBER	Z ± 25 % AT 100 MHz (Ω)	DCR MAX. (Ω)	RATED DC CURRENT (mA)				
	31	0.30	400				
ILBB-1210	60	0.30	400				
	90	0.30	400				
	80	0.30	400				
ILBB-1806	100	0.30	300				
	150	0.50	200				
ILBB-1812	70	0.40	200				
ILDD-1012	120	0.40	200				



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