

ILBB-1210, ILBB-1806, ILBB-1812

Vishay Dale

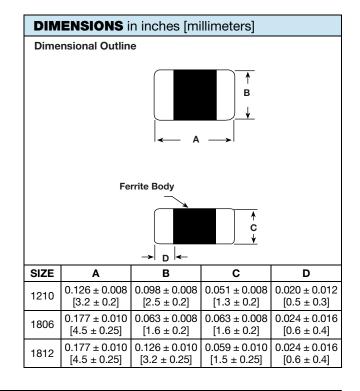
Multilayer Ferrite Beads

FEATURES

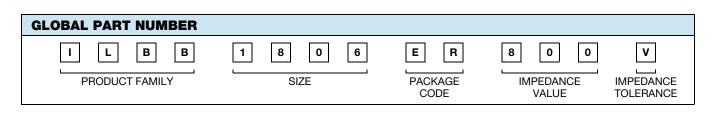
- High reliability
- Surface mountable (multiple case sizes)
- Magnetically self shielded
- Nickel barrier plating virtually eliminates silver migration
 COMPLIANT HALOGEN
 FREE
- Compliant to RoHS Directive 2011/65/EU
- Halogen-free according to IEC 61249-2-21 definition

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

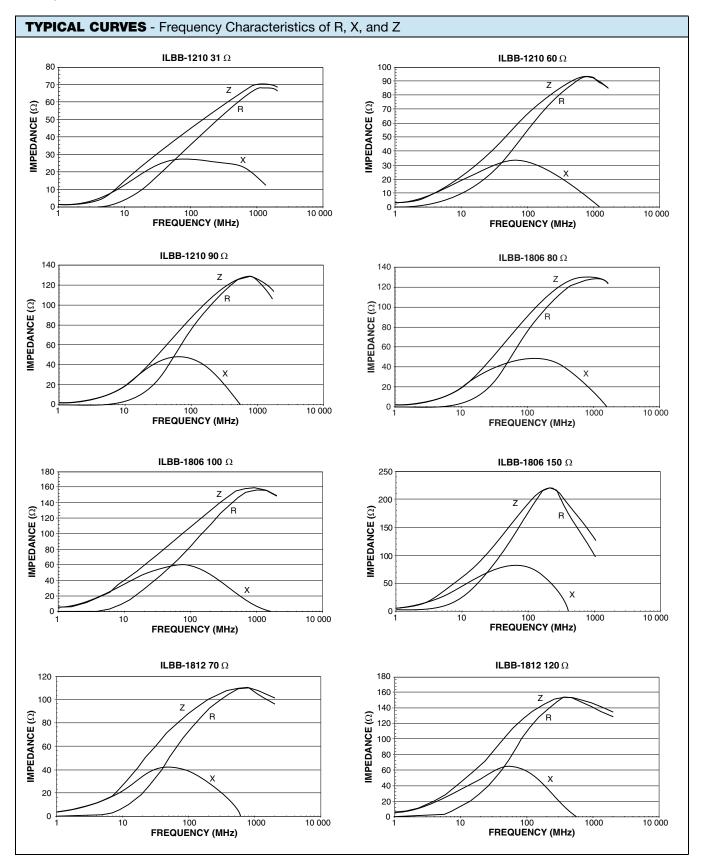
Beam Strength: 1210: 2.5 kg (5.5 lbs), 1806: 2.5 kg (5.5 lbs), 1812: 2.5 kg (5.5 lbs)

| 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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