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Vishay Dale

# **Multilayer Ferrite Beads**



#### **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)
ILBB-1210	31	0.30	400
	60	0.30	400
	90	0.30	400
ILBB-1806	80	0.30	400
	100	0.30	300
	150	0.50	200
ILBB-1812	70	0.40	200
	120	0.40	200

#### **FEATURES**

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

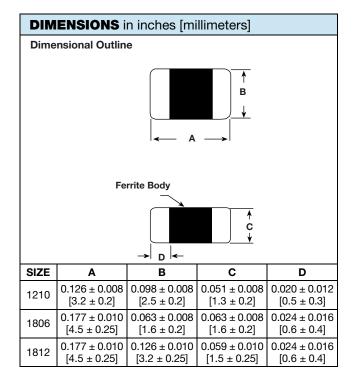
### COMPLIANT HALOGEN FREE

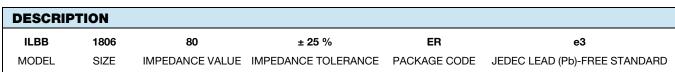
### **ENVIRONMENTAL SPECIFICATIONS**

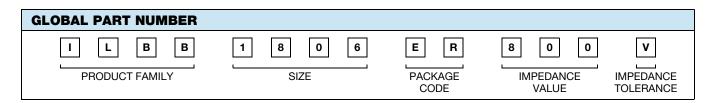
Operating Temperature: - 55 °C to + 125 °C Thermal Shock: 300 cycles, - 40 °C to + 125 °C

Biased Humidity: 85 % RH at 85 °C, 1000 h at full rated

current

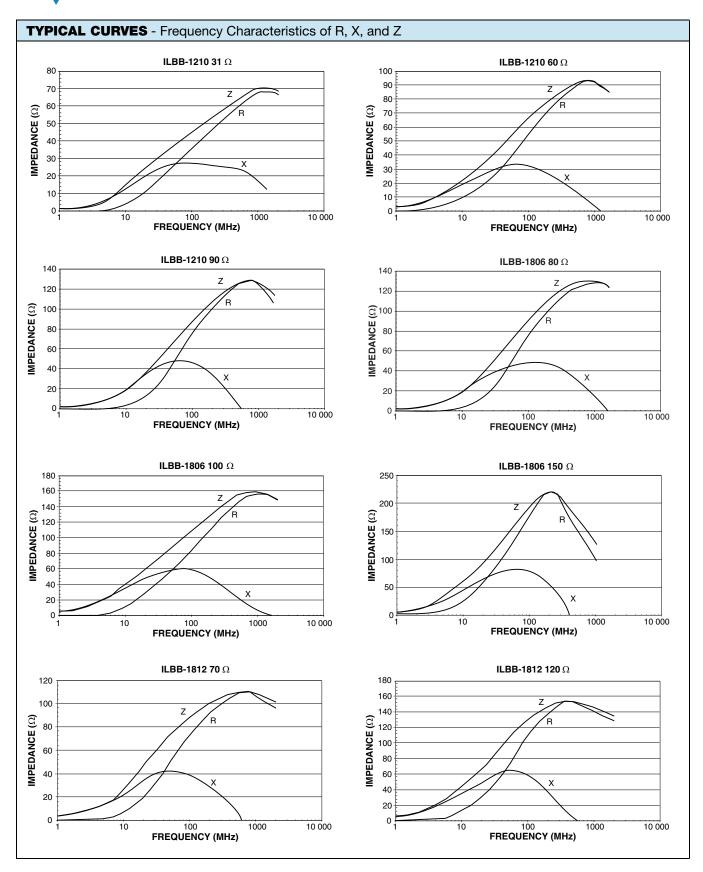






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