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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

Iver RoHS COMPLIANT HALOGEN FREE

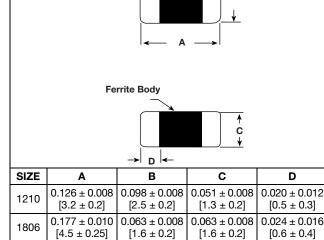
ENVIRONMENTAL SPECIFICATIONS

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

DIMENSIONS in inches [millimeters]

Dimensional Outline



 $[3.2 \pm 0.25]$

 0.059 ± 0.010

 $[1.5 \pm 0.25]$

 0.024 ± 0.016

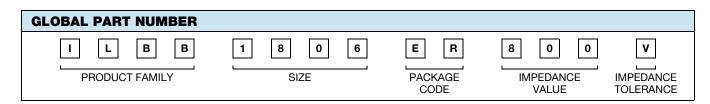
 $[0.6 \pm 0.4]$

0.177 ± 0.010 | 0.126 ± 0.010

 $[4.5 \pm 0.25]$

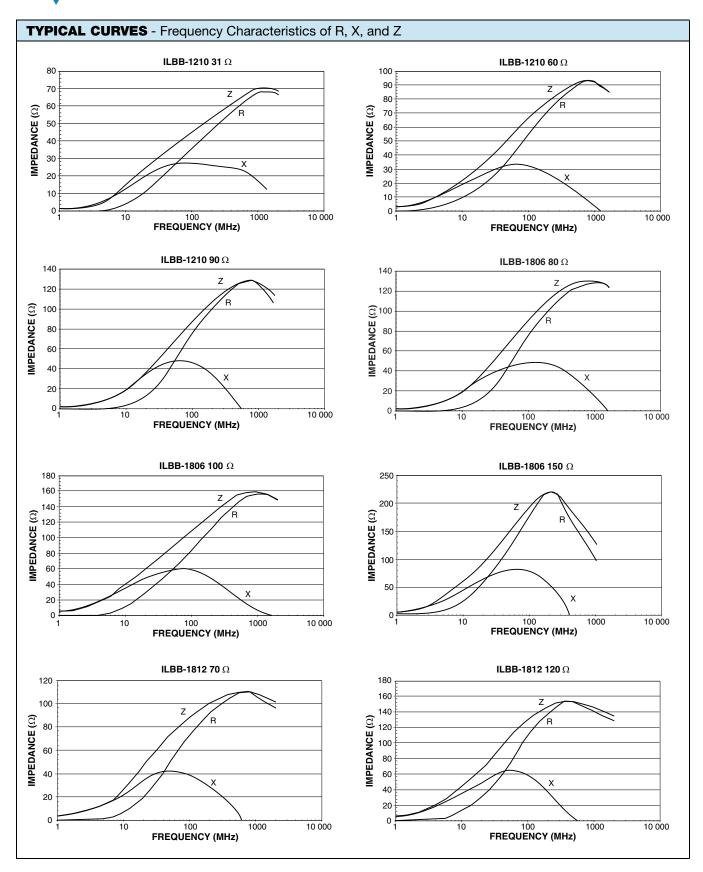
DESCRIPTION							
ILBB	1806	80	± 25 %	ER	e3		
MODEL	SIZE	IMPEDANCE VALUE	IMPEDANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD		

1812



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