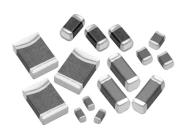


High Current Multilayer Ferrite Beads



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 | | | |
| ILHB-0805 | 30 | 100 | 0.015 | 6000 | | | |
| | 60 | 100 | 0.03 | 3000 | | | |
| | 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 | | | |
| ILHB-1812 | 120 | 100 | 0.02 | 6000 | | | |
| | 600 | 50 | 0.04 | 3000 | | | |
| | 1300 | 60 | 0.05 | 3000 | | | |

FEATURES

- High reliability
- Surface mountable (multiple case sizes)
- Current rating up to 6 A
- Magnetically self shielded
- Nickel barrier plating virtually eliminates silver migration
- Material categorization: For definitions of compliance please see <u>www.vishay.com/doc?99912</u>

Pb-free RoHS

ROHS COMPLIANT HALOGEN

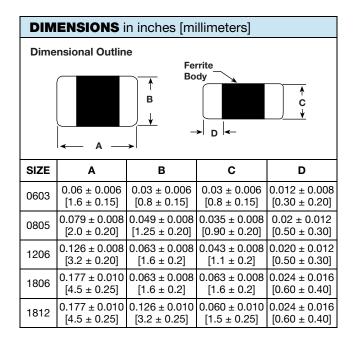
FREE

ENVIRONMENTAL SPECIFICATIONS

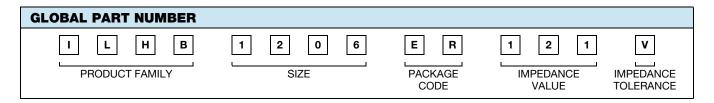
Operating Temperature: - 55 $^{\circ}$ C to + 125 $^{\circ}$ C Thermal Shock: 100 cycles, - 40 $^{\circ}$ C to + 125 $^{\circ}$ C

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

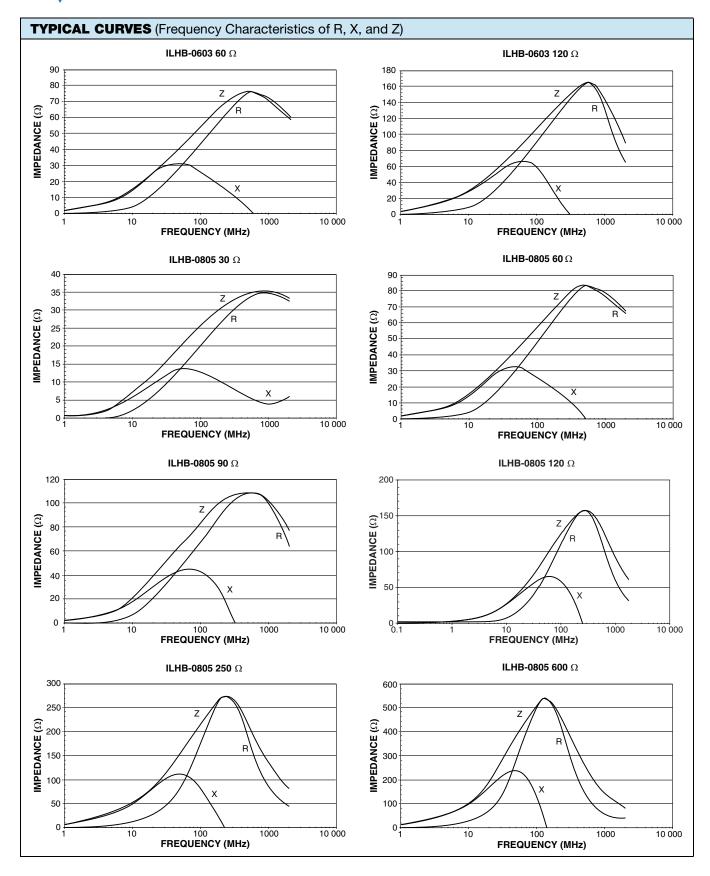
current



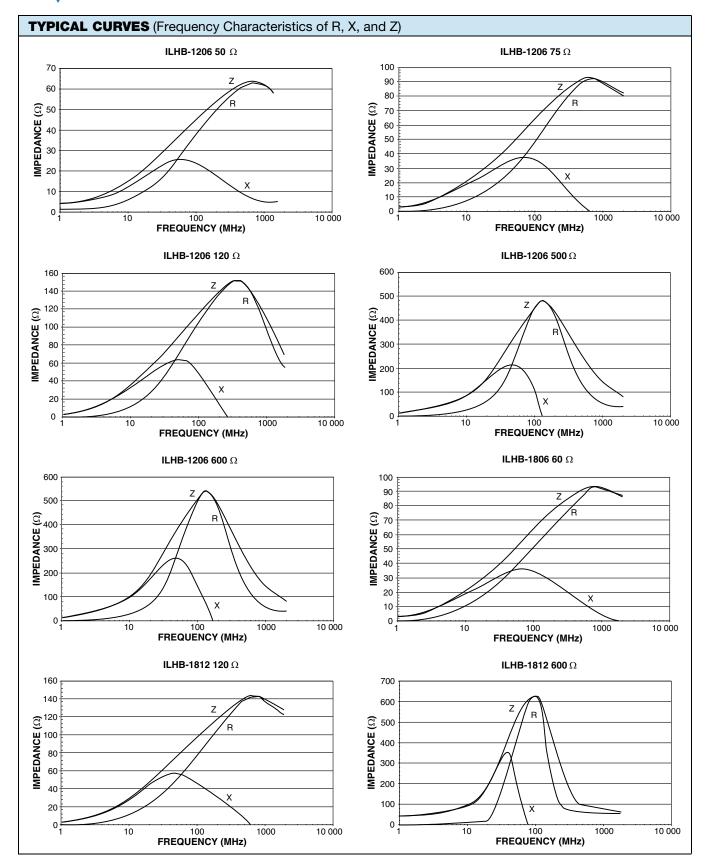
| DESCRIPTION | | | | | | | | |
|-------------|------|-----------------|---------------------|--------------|-------------------------------|--|--|--|
| ILHB | 1206 | 120 | ± 25 % | ER | e3 | | | |
| MODEL | SIZE | IMPEDANCE VALUE | IMPEDANCE TOLERANCE | PACKAGE CODE | JEDEC LEAD (Pb)-FREE STANDARD |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



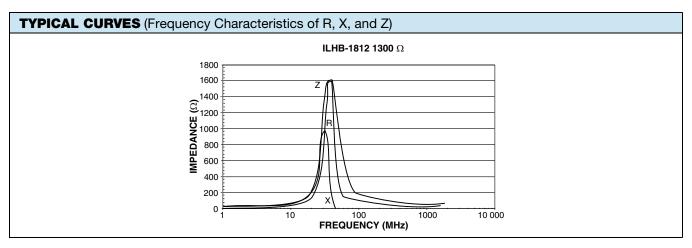














Legal Disclaimer Notice

Vishay

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Revision: 02-Oct-12 Document Number: 91000