



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: 0.3 kg (0.66 lbs) minimum for 30 s

Beam Strength: 0.3 kg (0.66 lbs) minimum

| STANDARD ELECTRICAL SPECIFICATIONS | | |
|------------------------------------|--------------------|-----------------------------|
| Z ± 25 % AT 100 MHz (Ω) | DCR MAX. (Ω) | RATED DC CURRENT (mA) |
| 10 | 0.05 | 500 |
| 30 | 0.09 | 500 |
| 40 | 0.10 | 400 |
| 60 | 0.10 | 400 |
| 68 | 0.10 | 200 |
| 80 | 0.20 | 150 |
| 120 | 0.20 | 150 |
| 150 | 0.30 | 150 |
| 180 | 0.30 | 150 |
| 220 | 0.30 | 150 |
| 300 | 0.35 | 150 |
| 420 | 0.40 | 150 |
| 450 | 0.40 | 100 |
| 600 | 0.45 | 100 |
| 750 | 0.60 | 100 |
| 1000 | 0.60 | 100 |
| 1500 | 0.70 | 50 |
| 2000 | 0.80 | 50 |

FEATURES

- · High reliability
- Surface mountable
- · 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>

Ph-free

ROHS COMPLIANT HALOGEN

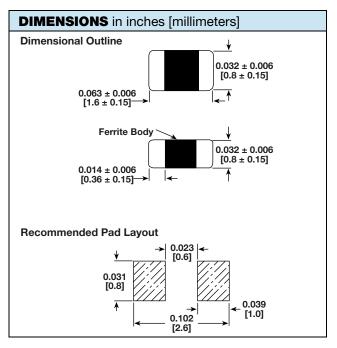
FREE

ENVIRONMENTAL SPECIFICATIONS

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

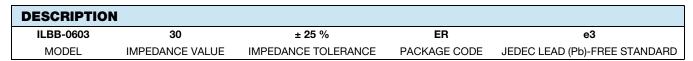
Biased Humidity: 85 % RH at 85 °C, 1000 h at full rated

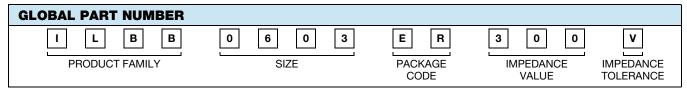
current



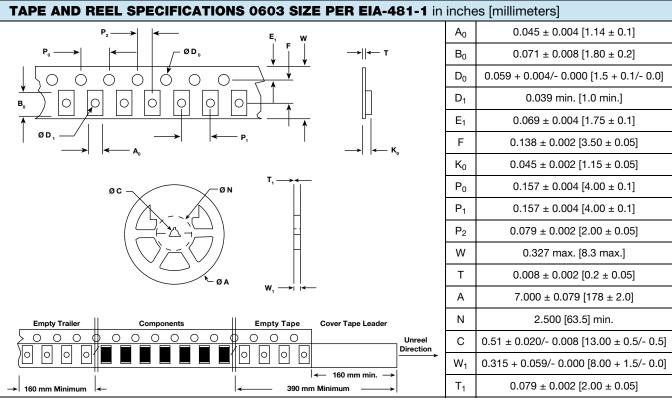
PACKAGING OPTIONS

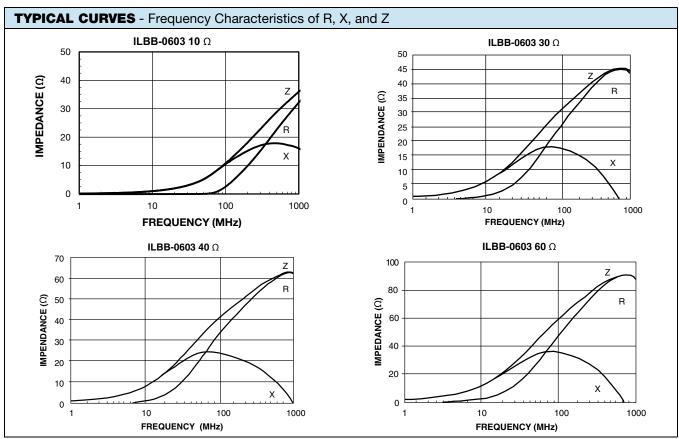
 Tape and Reel: Embossed plastic carrier tape per EIA481-1, 4000 pieces on a 7" [178 mm] reel



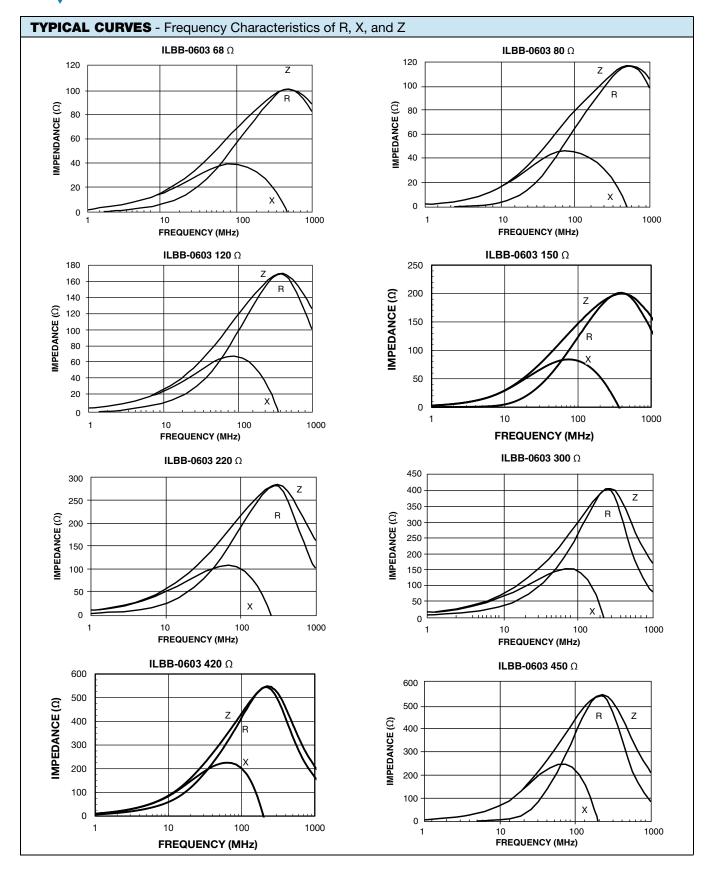




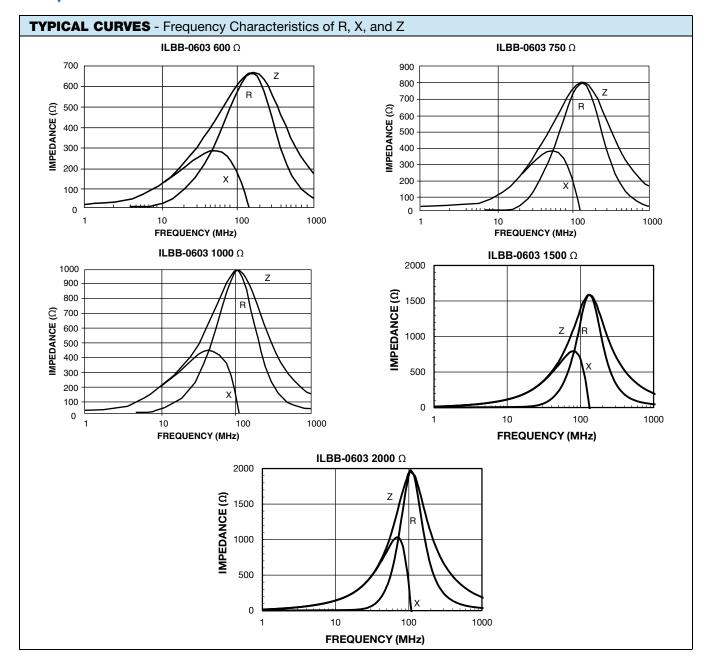














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