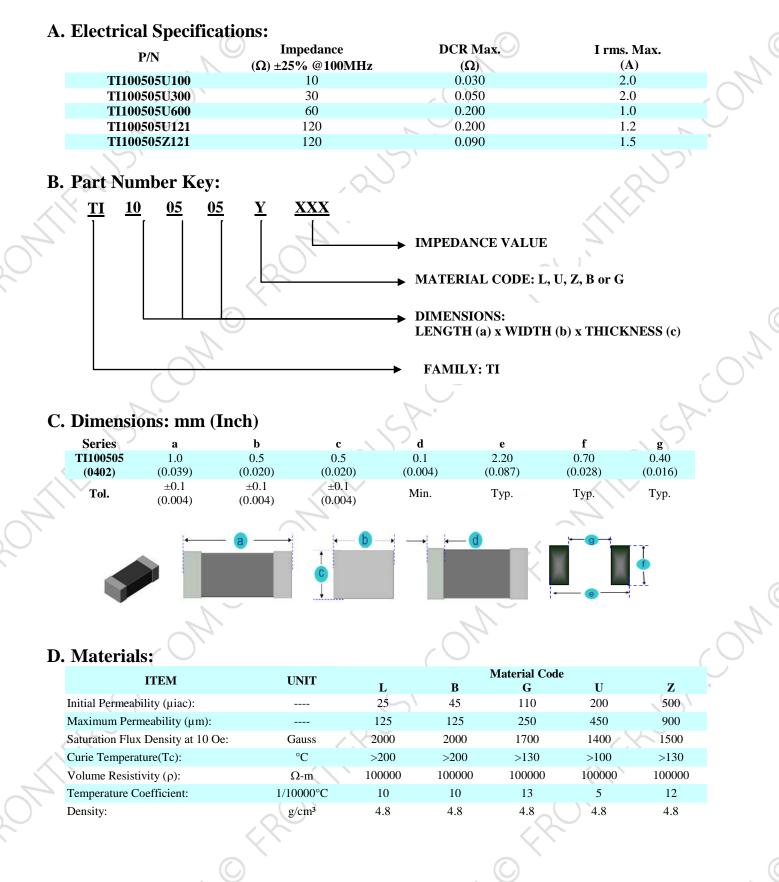
TI100505 (0402) Series SMD MULTILAYER FERRITE CHIP BEADS (HIGH CURRENT)

Rev. A

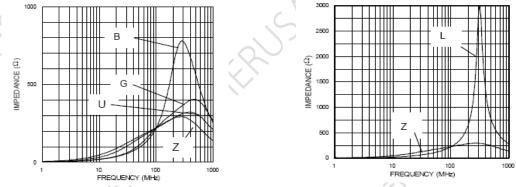


TI100505 (0402) Series SMD MULTILAYER FERRITE CHIP BEADS (HIGH CURRENT)

Rev. A

E. Impedance Characteristics of Materials:

- a. Z Material is for applications whose blocking regions are near 100 MHz.
- b. L Material, an improvement of B Material has sharp impedance characteristic at high frequency.
- c. G Material is for application whose signal frequency is far from the cut off region. Suitable for application requires low insertion loss at high frequency.
- d. Different materials are available for different application range.
- e. With one material, higher impedance has sharper characteristics.
- f. Please confirm the signal wave form to choose suitable products.



F. General Information:

- 1. TI100505-yxxx, "TI" = Type, "10" = Length, "05" = Width, "05" = Thickness, "y" = Material, "xxx" = Impedance.
- 2. Tolerance: $\pm 25\%$
- 3. Small and lightweight surface mounting type
- 4. High-density packaging with a pitch of 2.54 mm (0.1 inch) max. is possible. This series requires less space and have greater EMI suppression effects.
- 5. Excellent in physical properties, such as terminal strength, flexure strength, soldering resistance and solder-ability.
- 6. Applicable to both flow and IR reflow soldering.
- 7. High impedance covers wide frequency ranges.
- 8. TI series can be used in high current circuits due to its low DC resistance.
- 9. Operating temperature: -40°C to +125°C
- 10. Impedance and Current range: From 10 Ω (2000 mA) to 120 Ω (1200 mA)
- 11. Unspecified values available on request.
- 12. MSL: Level 1.

G. Applications:

- 1. Game Consoles
- 2. Set Top Boxes
- 3. Cables Modems
- 4. Computers
- 5. Mobile Communication Devices (Cell Phones, Radios, etc.)