

## Beads- on- Leads (2743003112)

Part Number: 2743003112

43 BEAD ON LEAD

### Explanation of Part Numbers:

- Digits 1 & 2 = Product Class
- Digits 3 & 4 = Material Grade
- Last digit 1 = Bulk Packed 2 = Taped and Reeled

### Ferrite suppression beads are supplied assembled on tinned copper wire for automated circuit board assembly.

- Wires are oxygen free high conductivity copper with 100% matte tin plating over a nickel undercoating. The resistance of the wire is 3.5 mOhm for the 22 AWG and 2.2 mOhm for the 20 AWG wire.

### [Recommended Soldering Profile](#)

### Packaging Options:

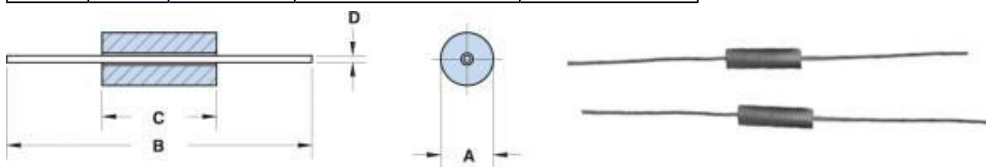
- Beads- on- leads can be supplied bulk packed. The last digit of bulk packed parts is a "1". Parts with a "2" as the last digit of the part number are supplied taped and reeled per IEC 60286-1 and EIA RS-296- F standards. Taped and reeled parts are supplied 4500 pieces on a 14" reel. Taping details: Component pitch 5 mm. Inside tape spacing 52.5 mm. Tape width 6 mm.
- Our "Bead- on- Lead Suppression Kit" (part number 0199000028) is available for prototype evaluation.

**For any bead- on lead requirement not listed here, feel free to contact our customer service group for availability and pricing.**

Weight: 0.5 (g)

| Dim | mm   | mm tol | nominal inch | inch misc. |
|-----|------|--------|--------------|------------|
| A   | 3.5  | ±0.25  | 0.138        | —          |
| B   | 62   | ±1.50  | 0.244        | —          |
| C   | 6.7  | ±0.25  | 0.263        | —          |
| D   | 0.65 | —      | 0            | 22 AWG     |

| Reel Information |             |                  |                   |                   |
|------------------|-------------|------------------|-------------------|-------------------|
| Tape Width<br>mm | Pitch<br>mm | Parts 7"<br>Reel | Parts 13"<br>Reel | Parts 14"<br>Reel |
| 6                | 5           | —                | —                 | 4500              |

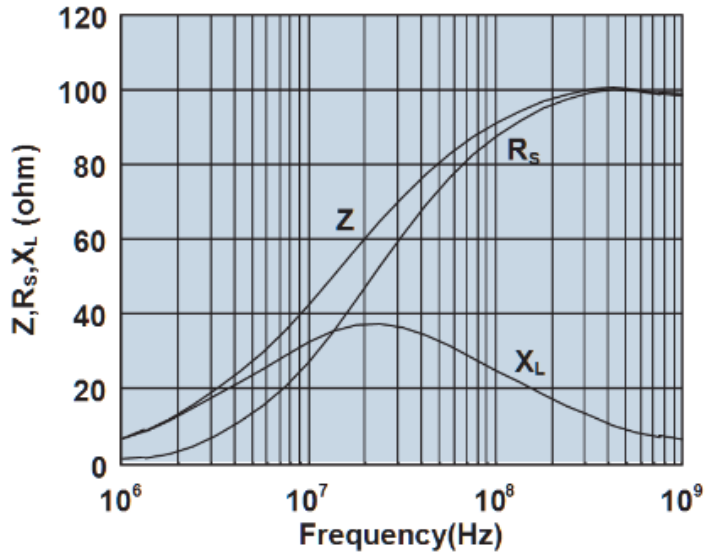


### Chart Legend

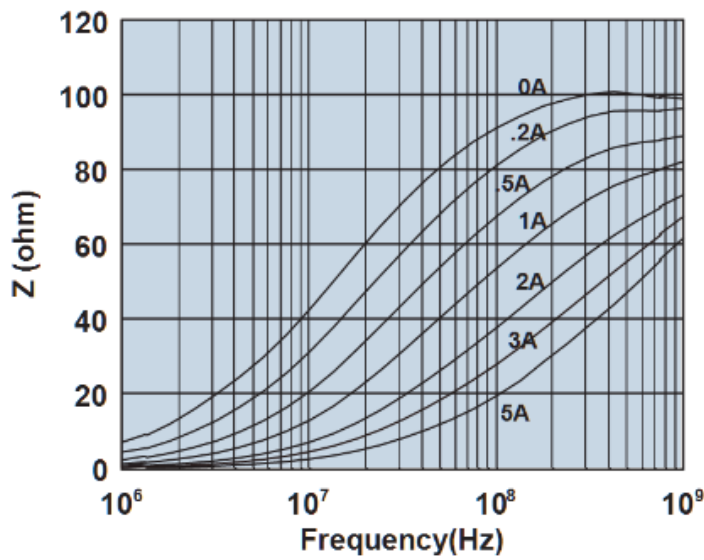
+ Test frequency

| Typical Impedance (Ω) |     |
|-----------------------|-----|
| 10 MHz                | 44  |
| 25 MHz <sup>+</sup>   | 65  |
| 100 MHz <sup>+</sup>  | 100 |
| 250 MHz               | 101 |

2743003112



Impedance, reactance, and resistance vs. frequency.



Impedance vs. frequency with dc bias.