

Part Number: 2743008112

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:

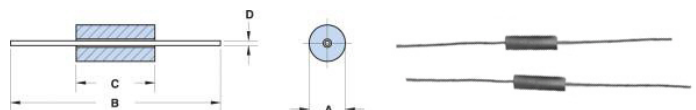
- Beads-on-leads can be supplied bulk packed. The last digit of bulk packed parts is a "1". Parts with a "2" as the last digit of the part number are supplied taped and reeled per IEC 60286-1 and EIA RS-296-F standards. Taped and reeled parts are supplied 4500 pieces on a 14" reel. Taping details: Component 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: 0.7 (g)

| Dim | mm   | mm tol | nominal inch | inch misc. |
|-----|------|--------|--------------|------------|
| A   | 3.5  | ±0.25  | 0.138        | -          |
| B   | 62   | ±1.50  | 2.44         | -          |
| C   | 11.4 | ±0.40  | 0.449        | -          |
| D   | 0.65 | -      | 0            | 22 AWG     |

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



### Chart Legend

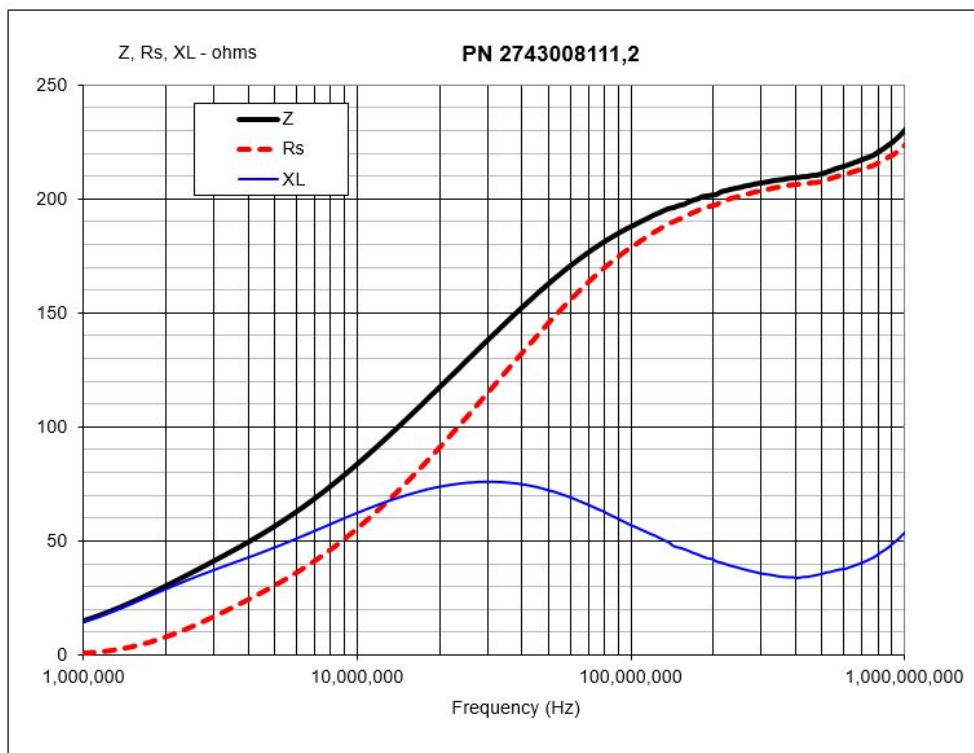
+ Test frequency

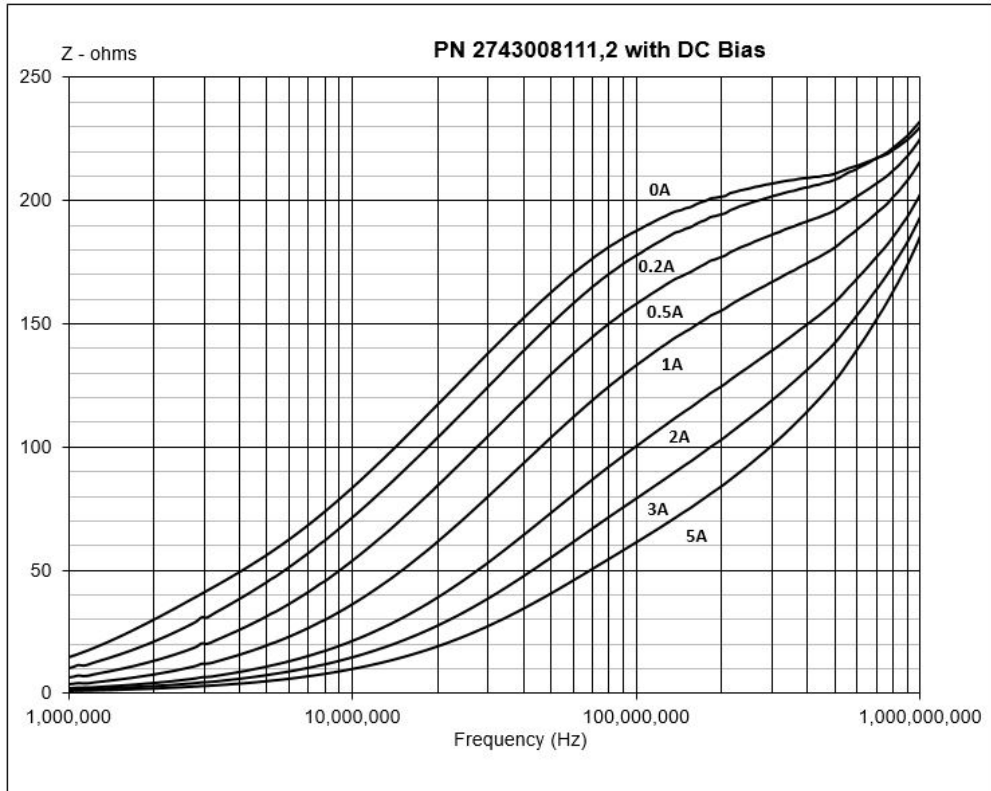
| Typical Impedance ( $\Omega$ ) |     |
|--------------------------------|-----|
| 10 MHz                         | 84  |
| 25 MHz <sup>+</sup>            | 128 |
| 100 MHz <sup>+</sup>           | 180 |
| 250 MHz                        | 204 |

Beads-on-leads are controlled for impedances only. Minimum impedance values are specified for the + marked frequencies. The minimum impedance is typically the listed impedance less 20%.

The impedance of the 73 & 43 beads-on-leads are measure on the E4990A Impedance Analyzer. The 61 beads-on-leads are tested for impedance on the E4991A / HP4291B Impedance Analyzer.

| Typical Impedance ( $\Omega$ ) |     |
|--------------------------------|-----|
| 10 MHz                         | 72  |
| 25 MHz <sup>+</sup>            | 116 |
| 100 MHz <sup>+</sup>           | 180 |
| 250 MHz                        | 168 |





[CSV Download](#)

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