

# Beads-on-Leads (2743015111)



Part Number: 2743015111

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.

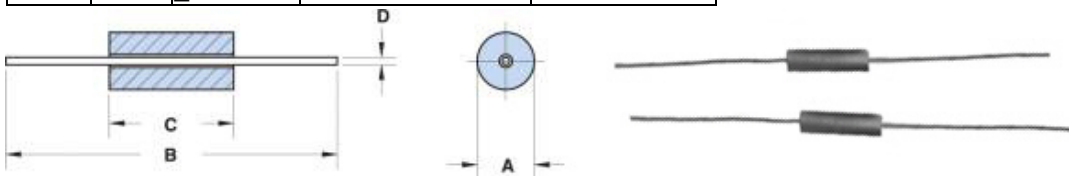
**For any bead-on lead requirement not listed here, feel free to contact our customer service group for availability and pricing.**

Catalog Drawing

3D Model

Weight: 0.4 (g)

| Dim | mm   | mm tol | nominal inch | inch misc. |
|-----|------|--------|--------------|------------|
| A   | 3.5  | ±0.25  | 0.138        | —          |
| B   | 62   | ±1.50  | 2.44         | —          |
| C   | 5.25 | ±0.25  | 0.207        | —          |
| D   | 0.65 | —      | 0            | 22 AWG     |



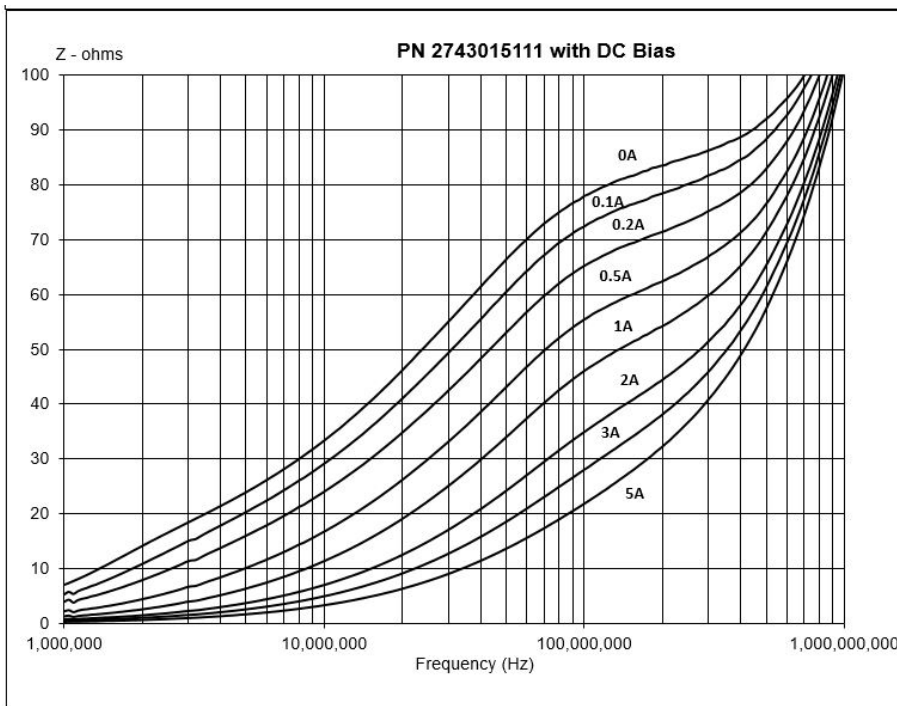
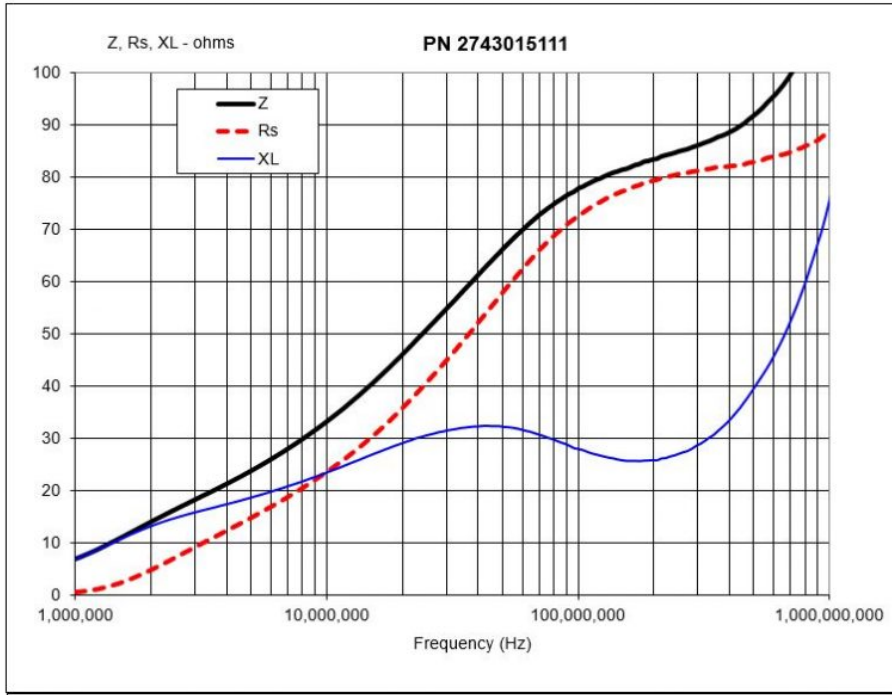
**Chart Legend**

+ Test frequency

| Typical Impedance (Ω) |    |
|-----------------------|----|
| 10 MHz                | 33 |

|                      |    |
|----------------------|----|
| 25 MHz <sup>+</sup>  | 51 |
| 100 MHz <sup>+</sup> | 78 |
| 250 MHz              | 85 |

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.



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