Fair-Rite Products Corp.
Your Signal Solution®

# Beads-on-Leads (2743008111)

Part Number: 2743008111

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: 0.7 (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 |

**Chart Legend**
+ Test frequency

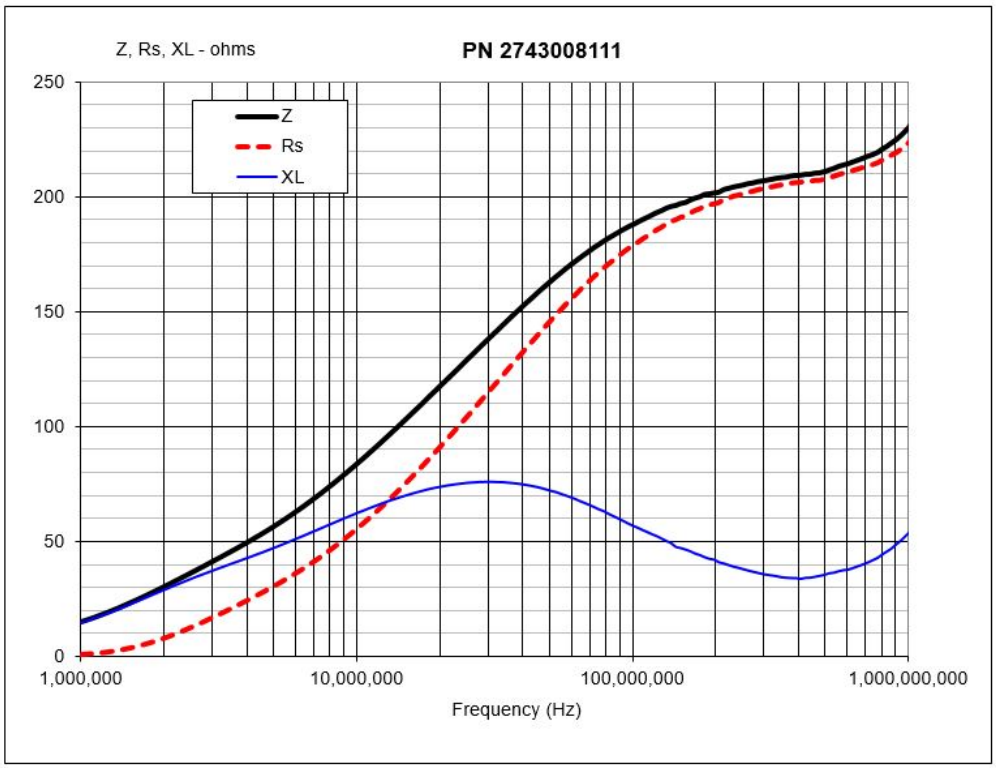
| Typical Impedance (Ω) | |
|---|---|
| 10 MHz | 84 |
| 25 MHz+ | 128 |
| 100 MHz+ | 180 |
| 250 MHz | 204 |

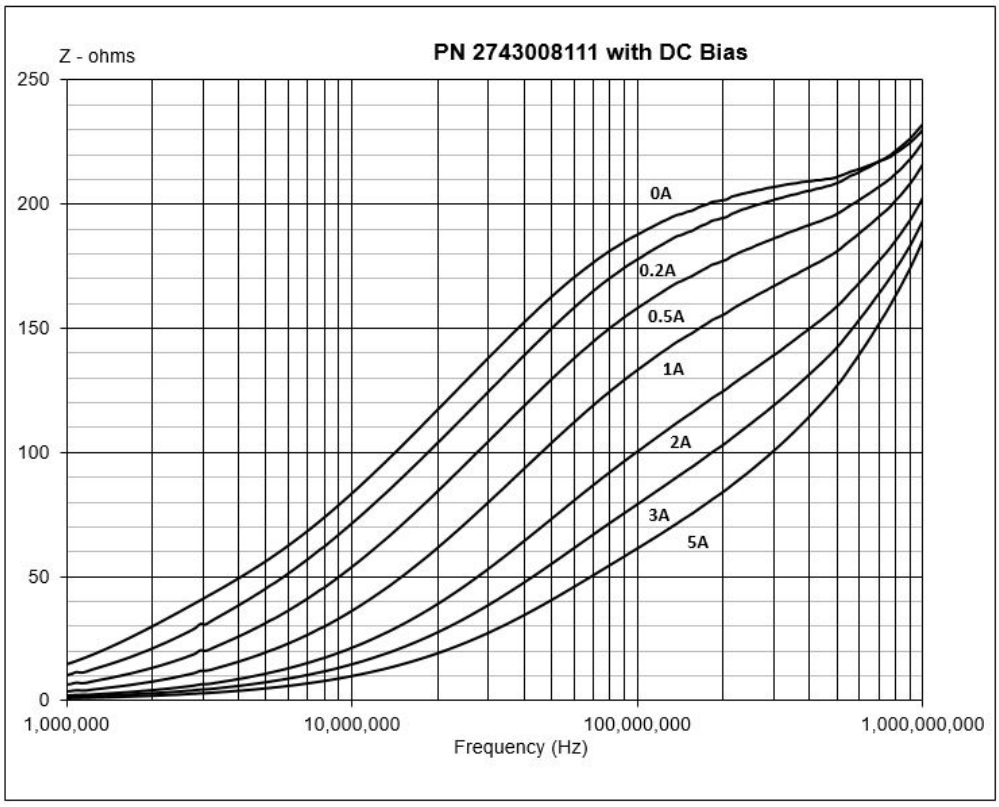
Beads-on-leads are controlled for impedances only. Minimum impedance values are specified for the + marked frequencies. The minimum impedance is typically the listed impedance less 20%.

Catalog Drawing

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 Impendance (Ω) | |
|---|---|
| 10 MHz | 72 |
| 25 MHz+ | 116 |
| 100 MHz+ | 180 |
| 250 MHz | 168 |






CSV Download

Fair-Rite Products Corp. • One Commercial Row, Wallkill, New York 12589-0288
888-324-7748 • 845-895-2055 • Fax: 845-895-2629 • ferrites@fair-rite.com • www.fair-rite.com