Fair-Rite Products Corp.
Your Signal Solution®

# Beads-on-Leads (2743005112)

Part Number: 2743005112

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: 0.4 (g)

| Dim | mm | mm tol | nominal inch | inch misc. |
|---|---|---|---|---|
| A | 3.5 | ±0.25 | 0.138 | _ |
| B | 62 | ±1.50 | 0.244 | _ |
| C | 6 | ±0.25 | 0.236 | _ |
| 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**

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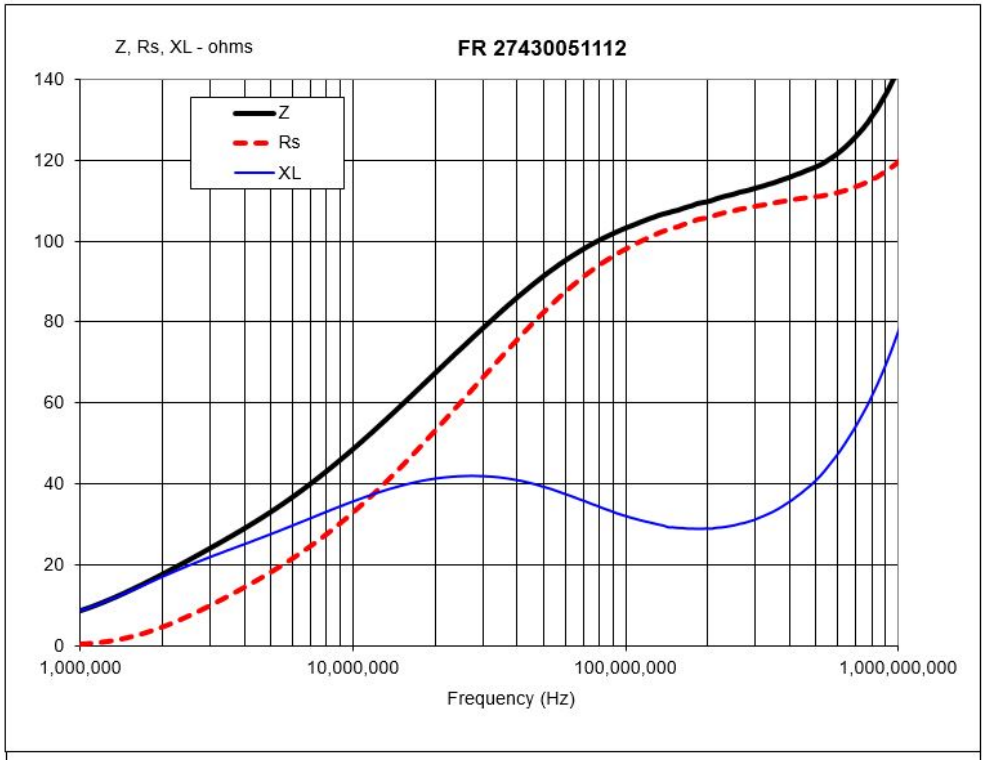
+ Test frequency

| Typical Impedance (Ω) | |
|---|---|
| 10 MHz | 49 |
| 25 MHz+ | 73 |
| 100 MHz+ | 103 |
| 250 MHz | 111 |

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 Impendance (Ω) | |
|---|---|
| 10 MHz | 40 |
| 25 MHz+ | 60 |
| 100 MHz+ | 91 |
| 250 MHz | 90 |

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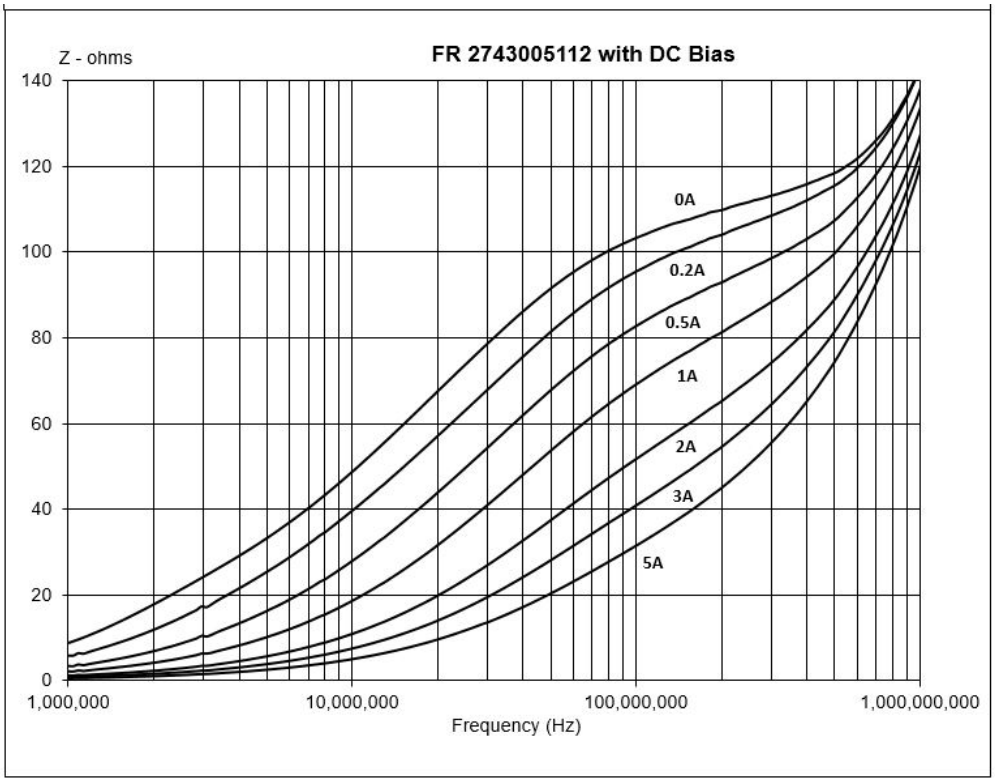


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