Fair-Rite Products Corp.
Your Signal Solution®

Beads-on-Leads (2743002112)

Part Number: 2743002112

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: 0.6 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	3.5	±0.25	0.138	_
B	62	±1.50	2.44	_
C	8.9	±0.30	0.35	_
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

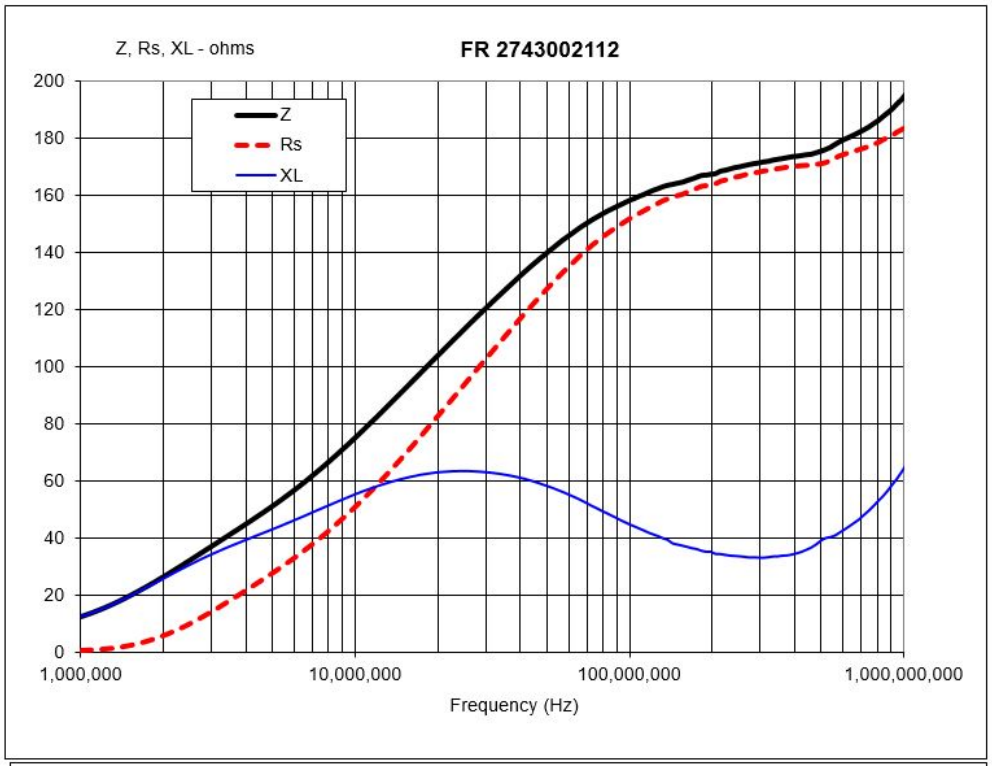
Typical Impedance (Ω)	
10 MHz	75
25 MHz+	113
100 MHz+	158
250 MHz	170

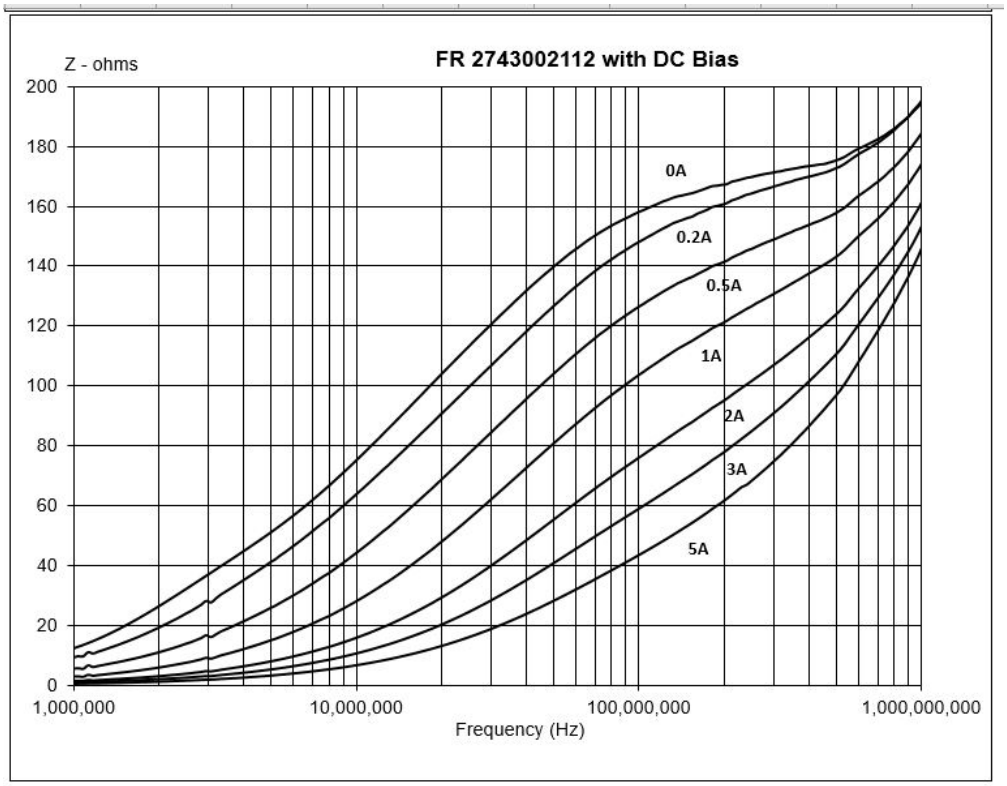
Beads-on-leads are controlled for impedances only. Minimum impedance values are specified for the + marked frequencies. The minimum impedance is typically the listed impedance less 20%.

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	57
25 MHz+	88
100 MHz+	133
250 MHz	134





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