



Part Number: 2743009112  
Frequency Range: Broadband Frequencies 25-300 MHz (43 material)  
Description: 43 BEAD ON LEAD  
Application: Suppression Components  
Where Used: Board Component  
Part Type: Beads-on-Leads  
Preferred Part: ✓

## Mechanical Specifications

Weight: .700 (g)

## Part Type Information

Ferrite suppression beads are supplied assembled on tinned copper wire for automated circuit board assembly.

-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.

-Beads-on-leads can be supplied bulk packed. The last digit of bulk packed parts is a '1'.


-Wires are oxygen free high conductivity copper with a lead-free tin coating. The resistance of the wire is 3.5 mOhm for the 22 AWG and 2.2 mOhm for the 20 AWG wire.

-Beads-on-leads are controlled for impedances only. The impedances listed are typical values. Minimum impedance values are specified for the + marked frequencies. The minimum guaranteed impedance is the listed impedance less 20%. The impedances of the 73 & 43 beads-on-leads are measured on the 4193A Vector Impedance Analyzer. The 61 beads-on-leads are tested for impedance on the 4191A RF Impedance Analyzer.

-Preferred beads-on-leads are the suggested choice for new designs. Samples are readily available and orders have typically shorter lead times than other beads-on-leads. For any bead-on lead requirement not listed here, feel free to contact our customer service group for availability and pricing.

-Our 'Bead-on-Lead Suppression Kit' (part number 0199000028) is available for prototype evaluation.

-Explanation of Part Numbers: Digits 1&2 = product class, 3&4 = material grade and last digit 1 = bulk packed, 2 = taped and reeled.


**Fair-Play Products Corp.**  
 Your Signal Solution

Fair-Play Products Corp. is a leading manufacturer of high-quality, reliable, and durable products for the construction industry. We are committed to providing our customers with the best possible service and support.

**Mechanical Specifications**

Item	Unit	Value	Unit	Value
1. Material	Steel	304	Unit	1.00
2. Thickness	mm	1.5	Unit	1.00
3. Length	m	1.0	Unit	1.00
4. Width	m	0.5	Unit	1.00
5. Weight	kg	0.5	Unit	1.00
6. Finish	Paint	White	Unit	1.00
7. Installation	Time	1.0	Unit	1.00
8. Maintenance	Time	1.0	Unit	1.00
9. Warranty	Years	1.0	Unit	1.00
10. Price	USD	1.00	Unit	1.00

**Notes**

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1. Material	Steel	304	Unit	1.00
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**Formic Material Constants**

Specific Heat	0.25 cal/g°C
Thermal Conductivity	10.0 W/mK (cal/cm°C)
Coefficient of Linear Expansion	6.5 x 10 <sup>-6</sup> /°C
Tensile Strength	4.5 kg/cm <sup>2</sup>
Compression Strength	45 kg/cm <sup>2</sup>
Young's Modulus	65.0 x 10 <sup>3</sup> kg/cm <sup>2</sup>
Max. Temp. (°C)	250
Dielectric Constant	4.7 at 100 MHz

The above material properties are typical for Fair-Rite 602 and 603 series.

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