



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. Mounting | Bracket | Standard | Unit | 1.00 |
| 8. Accessory | Bracket | Standard | Unit | 1.00 |
| 9. Accessory | Bracket | Standard | Unit | 1.00 |
| 10. Accessory | Bracket | Standard | Unit | 1.00 |

Notes

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| 1. All dimensions are in millimeters (mm). |
| 2. All dimensions are in meters (m). |
| 3. All dimensions are in kilograms (kg). |
| 4. All dimensions are in grams (g). |
| 5. All dimensions are in centimeters (cm). |
| 6. All dimensions are in inches (in). |
| 7. All dimensions are in feet (ft). |
| 8. All dimensions are in yards (yd). |
| 9. All dimensions are in miles (mi). |
| 10. All dimensions are in kilometers (km). |

Formic Material Constants

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|---------------------------------|--|
| Specific Heat | 0.25 cal/g°C |
| Thermal Conductivity | 10.0 W/m·K (at 25°C) |
| Coefficient of Linear Expansion | 6.5 x 10 ⁻⁶ /°C |
| Tensile Strength | 4.5 kgf/cm ² |
| Compression Strength | 4.5 kgf/cm ² |
| Young's Modulus | 15.0 x 10 ³ kgf/cm ² |
| Max. Temp. (T _{max}) | 250°C |
| Thermal Shock | ± 1.0 °C/min |

The above material properties are typical for Fair-Rite Formic and N50 series.



