



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™
 10000 10th Street, Suite 100, San Diego, CA 92121
 (619) 444-1000

Mechanical Specifications

Part No.	Rev.	QTY	UNIT	PRICE	TOTAL
10000	1	1	EA	100.00	100.00
10001	1	1	EA	100.00	100.00
10002	1	1	EA	100.00	100.00
10003	1	1	EA	100.00	100.00
10004	1	1	EA	100.00	100.00
10005	1	1	EA	100.00	100.00
10006	1	1	EA	100.00	100.00
10007	1	1	EA	100.00	100.00
10008	1	1	EA	100.00	100.00
10009	1	1	EA	100.00	100.00
10010	1	1	EA	100.00	100.00
10011	1	1	EA	100.00	100.00
10012	1	1	EA	100.00	100.00
10013	1	1	EA	100.00	100.00
10014	1	1	EA	100.00	100.00
10015	1	1	EA	100.00	100.00
10016	1	1	EA	100.00	100.00
10017	1	1	EA	100.00	100.00
10018	1	1	EA	100.00	100.00
10019	1	1	EA	100.00	100.00
10020	1	1	EA	100.00	100.00
10021	1	1	EA	100.00	100.00
10022	1	1	EA	100.00	100.00
10023	1	1	EA	100.00	100.00
10024	1	1	EA	100.00	100.00
10025	1	1	EA	100.00	100.00
10026	1	1	EA	100.00	100.00
10027	1	1	EA	100.00	100.00
10028	1	1	EA	100.00	100.00
10029	1	1	EA	100.00	100.00
10030	1	1	EA	100.00	100.00
10031	1	1	EA	100.00	100.00
10032	1	1	EA	100.00	100.00
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10091	1	1	EA	100.00	100.00
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10093	1	1	EA	100.00	100.00
10094	1	1	EA	100.00	100.00
10095	1	1	EA	100.00	100.00
10096	1	1	EA	100.00	100.00
10097	1	1	EA	100.00	100.00
10098	1	1	EA	100.00	100.00
10099	1	1	EA	100.00	100.00
10100	1	1	EA	100.00	100.00

Notes:

1. All dimensions are in inches unless otherwise specified.
2. All tolerances are ±0.005 inches unless otherwise specified.
3. All surfaces are to be finished to a mirror finish.
4. All surfaces are to be passivated.
5. All surfaces are to be protected with a clear coat.
6. All surfaces are to be protected with a clear coat.
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9. All surfaces are to be protected with a clear coat.
10. All surfaces are to be protected with a clear coat.

Material Specifications:

Material: 304 Stainless Steel
 Finish: Mirror
 Passivation: Yes
 Clear Coat: Yes

Quantity: 10000
Unit Price: \$100.00
Total Price: \$100.00

Order Reference: 10000-10000

Customer Reference: 10000-10000

Revision: 1

Drawn By: [Name]
 Checked By: [Name]
 Approved By: [Name]

Date: [Date]

Scale: 1:1

Sheet No.: 1 of 1

Part No.: 10000

Rev.: 1

QTY: 1

UNIT: EA

PRICE: 100.00

TOTAL: 100.00

Notes:

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Scale: 1:1

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PRICE: 100.00

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Form 1 Material Constants

Specific Heat	0.25 cal/g°C
Thermal Conductivity	10000 W/m ² °C
Coefficient of Linear Expansion	10.000 1/°C
Tensile Strength	10.000 MPa
Compression Strength	10.000 MPa
Young's Modulus	10.000 GPa
Modulus of Elasticity	10.000 GPa
Modulus of Resilience	10.000 J/m ³
Modulus of Toughness	10.000 J/m ³

The above material properties are typical for Fair-File 1000 and 1000 Series.

Fair-Rite Products Corp.
 Your Signal Solution™
 1000 Fair-Rite Drive, Fairport, NY 11731
 Phone: 607/324-1000 Fax: 607/324-1001
 Email: sales@fair-rite.com Website: www.fair-rite.com

Part Number: 600-0000000000

Part Number	Part Description	Part Status	Part Type	Part Category
600-0000000000	600-0000000000	Active	Inductor	Power Inductor

Physical Properties & Dimensions

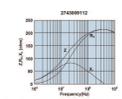
Electrical Properties & Performance

Temperature Characteristics & Performance

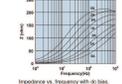
Frequency Characteristics & Performance

Power Characteristics & Performance

Quality Control & Performance



Impedance, reactance, and resistance vs. frequency



Impedance vs. frequency with dB loss