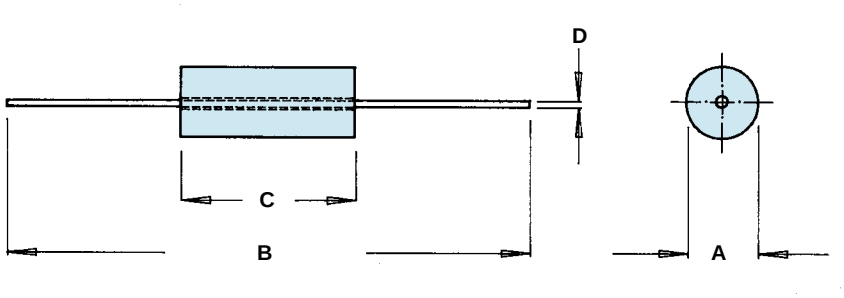
Beads on Leads

Shield beads are supplied assembled on tinned copper wire to aid automated circuit assembly.

- *Available materials: 73, 43, and 61.*
- *Parts with a "2" as the last digit of the part number are supplied taped and reeled per IEC 286-1 and EIA Standard 296-E. Inside tape spacing is **52.4±1.5 mm**. These parts can also be supplied not taped and reeled and are then bulk packed. The last digit of bulk packaged parts is "1".*
- *Wires are oxygen free high conductivity copper with a 95/5 tin/lead coating.*
- *For performance data on these parts, see page 53 of section "How to Choose Ferrite Components for EMI Suppression".*
- *Beads are controlled for impedance limits only. They are tested for impedance with a single turn, using a Hewlett Packard HP 4193A Vector Impedance Meter for beads in 73 and 43 material and the HP 4191A RF Impedance Analyzer for 61 material beads.*
- *The Expanded Bead-on-Lead EMI Suppressor Kit (part number 0199000010) is available for prototype evaluation. See page 84.*



Dimensions *(**Bold numbers are in millimeters,** light numbers are nominal in inches.)*

Part Number*	A	B	C	D	Wt (g)	Impedance (Ω) 73		43		61	
						10 MHz	25 MHz	25 MHz	100 MHz	100 MHz	250 MHz
27 - - 001112	**3.5±0.25** .138	**62.0±1.5** 2.440	**4.45±0.25** .175	**0.65** 22 AWG	.4	38 Min.	61±20%	39 Min.	68±20%	45 Min.	80±20%
27 - - 015112	**3.5±0.25** .138	**62.0±1.5** 2.440	**5.25±0.25** .206	**0.65** 22 AWG	.4	44 Min.	68±20%	43 Min.	82±20%	55 Min.	100±20%
27 - - 005112	**3.5±0.25** .138	**62.0±1.5** 2.440	**6.0±0.25** .236	**0.65** 22 AWG	.4	50 Min.	78±20%	48 Min.	91±20%	60 Min.	113±20%
27 - - 003112	**3.5±0.25** .138	**62.0±1.5** 2.440	**6.7±0.25** .263	**0.65** 22 AWG	.5	56 Min.	86±20%	52 Min.	100±20%	70 Min.	125±20%
27 - - 004112	**3.5±0.25** .138	**62.0±1.5** 2.440	**7.6±0.3** .300	**0.65** 22 AWG	.5	64 Min.	99±20%	60 Min.	110±20%	75 Min.	144±20%
27 - - 002112	**3.5±0.25** .138	**62.0±1.5** 2.440	**8.9±0.3** .350	**0.65** 22 AWG	.6	75 Min.	115±20%	70 Min.	133±20%	90 Min.	168±20%
27 - - 007112	**3.5±0.25** .138	**62.0±1.5** 2.440	**9.5±0.3** .374	**0.65** 22 AWG	.6	88 Min.	135±20%	77 Min.	150±20%	100 Min.	180±20%
27 - - 008112	**3.5±0.25** .138	**62.0±1.5** 2.440	**11.4±0.4** .450	**0.65** 22 AWG	.7	100 Min.	156±20%	93 Min.	180±20%	115 Min.	213±20%
27 - - 009112	**3.5±0.25** .138	**62.0±1.5** 2.440	**13.8±0.5** .545	**0.65** 22 AWG	.8	121 Min.	190±20%	114 Min.	220±20%	140 Min.	258±20%
2743012201⁺	**9.8±0.3** .385	**62.0±1.5** 2.440	**11.4±0.4** .449	**0.8** 20 AWG	4.5	–	–	154 Min.	271±20%	–	–
2743013211⁺	**9.8±0.3** .385	**62.0±1.5** 2.440	**14.0±0.5** .550	**0.8** 20 AWG	5.5	–	–	188 Min.	331±20%	–	–
2743014221⁺	**9.8±0.3** .385	**62.0±1.5** 2.440	**16.5±0.5** .650	**0.8** 20 AWG	6.5	–	–	224 Min.	391±20%	–	–

** Insert desired material in 3rd & 4th digit positions.*
⁺ Not available taped and reeled.

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