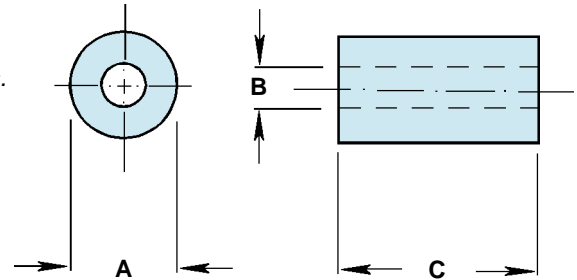


Shield Beads

Listed in ascending order of "B" dimension

Fair-Rite offers a broad selection of shield beads to guaranteed impedance specifications over a wide frequency range.

- Available materials: 73, 43, and 61.
- Beads with a "1" as the last digit of the part number are not burnished, those with the last digit "2" are supplied burnished to break the sharp edges.
- Beads can be supplied Parylene coated upon request. The last digit of Parylene coated parts is a "4". The minimum coating thickness for beads is **0.05mm (.0002")**. See page 6 for material characteristics of Parylene C.
- The "H" column gives for each bead size the calculated dc bias field in oersted for 1 turn and 1 ampere direct current. The actual dc H field in the application is this value of H times the actual NI (ampere - turn) product. For the effect of the dc bias on the impedance of the bead material, see the graphs on page 49 of this catalog.
- For performance data on shield beads, see pages 54 and 55 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.
- For any shield bead requirement not listed in the catalog, feel free to contact our customer service group for availability and pricing.



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

Impedance(Ω)

Part Number**	A	B	C*	Wt (g)	H (Oe)	73		43		61	
						10 MHz	25 MHz	25 MHz	100 MHz	100 MHz	250 MHz
2673901301	0.95 - 0.05 .036	0.45+0.1 .020	3.8±0.2 .150	.01	6.0	13 Min.	24±20%	–	–	–	–
2673903301	1.0 - 0.05 .038	0.45+0.15 .021	5.6±0.25 .220	.01	5.7	19 Min.	35±20%	–	–	–	–
26 - - 004601	1.1 - 0.1 .041	0.65+0.1 .028	4.1 - 0.3 .156	.01	4.7	10 Min.	19±20%	10 Min.	31±20%	–	–
26 - - 004701	1.45 - 0.15 .054	0.7+0.1 .029	2.3±0.15 .090	.01	4.0	10 Min.	17±20%	10 Min.	26±20%	–	–
2643004101	3.5±0.2 .138	0.75+0.1 .031	4.45±0.35 .175	.11	2.6	–	–	39 Min.	70±20%	–	–
2643004201	3.5±0.2 .138	0.75+0.1 .031	8.9±0.5 .350	.22	2.6	–	–	78 Min.	140±20%	–	–
2673030101	1.22 - 0.13 .045	0.8+0.1 .033	5.3 - 0.45 .200	.01	4.1	9 Min.	17±20%	–	–	–	–
2673025301	1.25 - 0.1 .047	0.8+0.1 .033	3.8±0.2 .150	.01	4.0	8 Min.	15±20%	–	–	–	–
2673010101	1.95 - 0.25 .072	0.8+0.1 .033	10.0 - 0.4 .384	.08	3.3	44 Min.	77±20%	–	–	–	–
2643706001	3.5±0.25 .138	0.8+0.1 .033	2.7 - 0.45 .097	.06	2.5	–	–	21 Min.	45±20%	–	–
2673025001	1.42±0.05 .056	0.85+0.1 .034	3.8±0.2 .150	.02	3.6	10 Min.	20±20%	–	–	–	–
2643020501	1.65±0.025 .065	0.85+0.1 .034	3.68 - 0.25 .140	.02	3.4	–	–	17 Min.	35±20%	–	–

** Insert desired material in 3rd & 4th digit positions.

* This dimension may be modified to suit specific applications.

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Shield Beads

Listed in ascending order of "B" dimension

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

Impedance(Ω)

Part Number**	A	B	C*	Wt (g)	H (Oe)	73		43		61	
						10 MHz	25 MHz	25 MHz	100 MHz	100 MHz	250 MHz
26 - - 004801	2.1 - 0.15 .080	0.85+0.1 .034	2.9 - 0.45 .105	.03	3.1	16 Min.	28±20%	14 Min.	31±20%	-	-
2673028602	2.13 - 0.1 .082	0.85+0.1 .034	5.6±0.15 .220	.09	2.7	25 Min.	50±20%	-	-	-	-
2673012401	1.55 - 0.1 .059	0.95+0.15 .040	4.2 - 0.25 .160	.02	3.3	9 Min.	19±20%	-	-	-	-
26 - - 002201	1.95 - 0.2 .072	1.05+0.1 .043	10.4±0.25 .410	.08	2.9	30 Min.	55±20%	27 Min.	58±20%	-	-
26 - - 000501	2.0 - 0.15 .076	1.05+0.1 .043	1.65 - 0.25 .060	.01	2.8	7 Min.	12±20%	7 Min.	22±20%	-	-
26 - - 000201	2.0 - 0.15 .076	1.05+0.1 .043	3.8±0.25 .150	.03	2.8	15 Min.	27±20%	13 Min.	31±20%	-	-
26 - - 000101	3.5±0.2 .138	1.3±0.1 .051	3.25±0.25 .128	.10	2.0	28 Min.	33±20%	21 Min.	40±20%	22 Min.	43±20%
26 - - 000301	3.5±0.2 .138	1.3±0.1 .051	6.0±0.25 .236	.18	2.0	35 Min.	62±20%	37 Min.	60±20%	40 Min.	70±20%
26 - - 000701	3.5±0.2 .138	1.3±0.1 .051	12.7±0.35 .500	.38	2.0	70 Min.	125±20%	71 Min.	125±20%	100 Min.	170±20%
2643200101	5.1±0.25 .200	1.45+0.25 .062	3.4 - 0.45 .125	.19	1.5	-	-	24 Min.	41±20%	-	-
26 - - 022401	5.1±0.25 .200	1.45+0.25 .062	6.35±0.25 .250	.38	1.5	43 Min.	68±20%	44 Min.	82±20%	45 Min.	85±20%
26 - - 021801	5.1±0.25 .200	1.45+0.25 .062	11.1±0.35 .437	.67	1.5	75 Min.	120±20%	77 Min.	131±20%	95 Min.	163±20%
26 - - 023801	5.1±0.25 .200	1.45+0.25 .062	22.85±0.75 .900	1.4	1.5	-	-	154 Min.	266±20%	190 Min.	326±20%
2643001501	3.5±0.2 .138	1.6±0.1 .063	3.25±0.25 .128	.10	1.7	-	-	17 Min.	35±20%	-	-
2643025601	3.5±0.2 .138	1.6±0.1 .063	6.0±0.25 .236	.18	1.7	-	-	30 Min.	55±20%	-	-
2643023201	2.85±0.1 .112	1.65+0.15 .068	3.75±0.25 .147	.06	1.8	-	-	12 Min.	30±20%	-	-
2673018001	2.85±0.1 .112	1.65+0.15 .068	6.65±0.25 .262	.12	1.8	23 Min.	41±20%	-	-	-	-
2673004901	2.85±0.1 .112	1.65+0.15 .068	10.45±0.25 .410	.18	1.8	32 Min.	58±20%	-	-	-	-
2643013801	3.5±0.2 .138	1.65+0.25 .070	4.05±0.25 .160	.12	1.6	-	-	19 Min.	38±20%	-	-
26 - - 001601	3.55±0.15 .140	1.65+0.25 .070	3.3 - 0.4 .122	.09	1.6	13 Min.	24±20%	15 Min.	30±20%	-	-
2643001301	3.55±0.15 .140	1.65+0.25 .070	5.95±0.25 .234	.18	1.6	-	-	25 Min.	48±20%	-	-
2673015301	4.1 - 0.25 .156	1.8±0.15 .071	6.85±0.25 .270	.26	1.5	33 Min.	59±20%	-	-	-	-
2643005701	5.1±0.25 .200	2.3±0.2 .090	12.7±0.35 .500	.81	1.2	-	-	62 Min.	120±20%	-	-
26 - - 000801	7.5±0.25 .296	2.25+0.25 .094	7.55±0.25 .297	1.0	1.0	38 Min.	60±20%	50 Min.	92±20%	-	-
2643300101	7.6±0.25 .300	2.25+0.25 .094	15.1±0.75 .595	2.1	1.0	-	-	92 Min.	165±20%	-	-
2673200201	5.2±0.15 .205	2.65±0.25 .105	20.6±0.75 .812	1.3	1.1	70 Min.	125±20%	-	-	-	-
26 - - 003201	5.6 - 0.5 .210	2.65±0.25 .105	12.7±0.5 .500	.87	1.1	47 Min.	85±20%	50 Min.	88±20%	-	-
2643250402	6.35±0.15 .250	2.95+0.45 .125	12.7±0.5 .500	1.2	.91	-	-	55 Min.	102±20%	-	-
2643250302	6.35±0.15 .250	2.95+0.45 .125	15.9±0.5 .625	1.5	.91	-	-	68 Min.	122±20%	-	-
2643250202	6.35±0.15 .250	2.95+0.45 .125	25.4±0.75 1.000	2.5	.91	-	-	108 Min.	200±20%	-	-

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Shield Beads

Listed in ascending order of "B" dimension

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

Impedance (Ω)

Part Number	A	B	C*	Wt (g)	H (Oe)	73		43		61	
						10 MHz	25 MHz	25 MHz	100 MHz	100 MHz	250 MHz
2643375102	9.5±0.25 .375	4.5+0.75 .192	6.35±0.35 .250	1.4	.60	–	–	28 Min.	50±20%	–	–
2643375002	9.5±0.25 .375	4.5+0.75 .192	14.5±0.6 .570	3.1	.60	–	–	62 Min.	115±20%	–	–
2643006302	9.5±0.25 .375	4.75+0.3 .193	10.4±0.25 .410	2.2	.60	–	–	42 Min.	80±20%	–	–
2643023402	9.5±0.25 .375	4.75+0.3 .193	15.9±0.45 .625	3.4	.60	–	–	66 Min.	120±20%	–	–
2643023002	9.5±0.25 .375	4.75+0.3 .193	19.05±0.7 .750	4.1	.60	–	–	80 Min.	145±20%	–	–
2643002402	9.65±0.25 .380	5.0±0.2 .197	5.05 - 0.45 .190	1.1	.59	–	–	21 Min.	43±20%	–	–
2643480102	12.3±0.4 .485	4.95+0.25 .200	12.7±0.4 .500	4.8	.52	–	–	67 Min.	121±20%	–	–
2643480002	12.3±0.4 .485	4.95+0.25 .200	25.4±0.75 1.000	9.5	.52	–	–	132 Min.	236±20%	–	–
2643012702	9.65±0.15 .380	6.35±0.15 .250	7.35±0.25 .290	1.3	.51	–	–	19 Min.	38±20%	–	–
2643540702	14.3±0.45 .562	6.35±0.25 .250	5.3 - 0.45 .200	2.6	.43	–	–	24 Min.	50±20%	–	–
2643540102	14.3±0.45 .562	6.35±0.25 .250	10.15±0.4 .400	5.1	.43	–	–	49 Min.	89±20%	–	–
26 - - 540202	14.3±0.45 .562	6.35±0.25 .250	13.8 - 0.7 .530	6.8	.43	–	–	62 Min.	118±20%	100 Min.	180±20%
26 - - 540002	14.3±0.45 .562	6.35±0.25 .250	28.6±0.75 1.125	14	.43	–	–	137 Min.	250±20%	200 Min.	310±20%
26 - - 540302	14.3±0.45 .562	7.1±0.25 .280	15.25±0.4 .600	7.5	.41	–	–	60 Min.	118±20%	–	–
26 - - 800302	12.7±0.25 .500	7.15±0.2 .282	4.9 - 0.25 .188	1.7	.43	–	–	21 Min.	42±20%	–	–
2643540402	14.3±0.45 .562	7.25±0.15 .286	28.6±0.75 1.125	14	.40	–	–	114 Min.	215±20%	–	–
2643801102	12.7±0.25 .500	7.9±0.2 .312	6.35±0.2 .250	2.1	.40	–	–	21 Min.	41±20%	–	–
2643801902	12.7±0.25 .500	7.9±0.2 .312	12.7±0.4 .500	4.3	.40	–	–	35 Min.	73±20%	–	–
2643625002	16.25 - 0.75 .625	7.9±0.25 .312	14.3±0.35 .562	8.7	.36	–	–	56 Min.	113±20%	–	–
2643625102	16.25 - 0.75 .625	7.9±0.25 .312	28.6±0.75 1.125	17	.36	–	–	104 Min.	213±20%	–	–
2643625202	16.25 - 0.75 .625	7.9±0.25 .312	50.8±1.0 2.000	31	.36	–	–	188 Min.	384±20%	–	–
2643665902	17.45±0.4 .687	9.5±0.25 .375	6.35±0.25 .250	4.5	.32	–	–	21 Min.	44±20%	–	–
2643665802	17.45±0.4 .687	9.5±0.25 .375	12.7±0.5 .500	9.0	.32	–	–	44 Min.	88±20%	–	–
26 - - 665702	17.45±0.4 .687	9.5±0.25 .375	28.6±0.75 1.125	20	.32	–	–	100 Min.	200±20%	125 Min.	260±20%
2643626302	19.0 - 0.65 .735	10.15±0.25 .400	14.65 - 0.75 .562	12	.29	–	–	50 Min.	96±20%	–	–
2643626402	19.0 - 0.65 .735	10.15±0.25 .400	28.6±0.75 1.125	23	.29	–	–	102 Min.	196±20%	–	–
2643626502	19.0 - 0.65 .735	10.15±0.25 .400	50.8±1.0 2.000	41	.29	–	–	180 Min.	348±20%	–	–
2643801502	25.4±0.65 1.000	12.7±0.35 .500	6.35±0.25 .250	9.9	.23	–	–	27 Min.	53±20%	–	–
26 - - 102402	25.9±0.75 1.020	12.8±0.25 .505	21.3±0.5 .840	35	.22	–	–	88 Min.	183±20%	135 Min.	275±20%
26 - - 102002	25.9±0.75 1.020	12.8±0.25 .505	28.6±0.8 1.125	46	.22	–	–	116 Min.	235±20%	180 Min.	310±20%

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Shield Beads

Listed in ascending order of "B" dimension

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

Impedance (Ω)

Part Number	A	B	C*	Wt (g)	H (Oe)	73		43		61	
						10 MHz	25 MHz	25 MHz	100 MHz	100 MHz	250 MHz
2643800602	20.95±0.4 .825	13.2±0.3 .520	6.35±0.2 .250	5.8	.24	–	–	19 Min.	44±20%	–	–
2643800502	20.95±0.4 .825	13.2±0.3 .520	11.9±0.4 .468	11	.24	–	–	36 Min.	82±20%	–	–
2643801802	22.1±0.4 .870	13.7±0.3 .540	6.35±0.2 .250	6.5	.23	–	–	20 Min.	45±20%	–	–
2643101902	28.5±0.6 1.122	13.8±0.3 .543	28.6±0.8 1.125	56	.21	–	–	116 Min.	230±20%	–	–
2643801402	25.4±0.6 1.000	15.5±0.5 .610	8.1±0.3 .320	11	.20	–	–	28 Min.	55±20%	–	–
2643806402	25.4±0.6 1.000	15.5±0.5 .610	12.7±0.4 .500	17	.20	–	–	42 Min.	90±20%	–	–
2643251002	39.1±0.75 1.540	16.75±0.5 .660	22.2±0.8 .875	84	.16	–	–	108 Min.	230±20%	–	–
2643801002	29.0±0.75 1.142	19.0±0.5 .748	7.5±0.25 .295	12	.17	–	–	22 Min.	47±20%	–	–
2643801202	29.0±0.75 1.142	19.0±0.5 .748	13.85±0.4 .545	23	.17	–	–	41 Min.	92±20%	–	–
2643804502	31.1±0.75 1.225	19.05±0.5 .750	16.3 - 0.75 .627	33	.17	–	–	48 Min.	100±20%	–	–
2643802702	35.55±0.75 1.400	22.85±0.5 .900	12.7±0.5 .500	32	.14	–	–	38 Min.	80±20%	–	–
2643626102	50.8±1.0 2.000	25.4±0.5 1.000	25.4±0.75 1.000	158	.11	–	–	102 Min.	224±20%	–	–
2643625902	50.8±1.0 2.000	25.4±0.5 1.000	28.7±0.75 1.130	178	.11	–	–	116 Min.	254±20%	–	–
2643626202	50.8±1.0 2.000	25.4±0.5 1.000	38.1±0.75 1.500	237	.11	–	–	154 Min.	336±20%	–	–
2643626002	50.8±1.0 2.000	25.4±0.5 1.000	50.8±1.0 2.000	315	.11	–	–	192 Min.	360±20%	–	–
2643803802	61.0±1.3 2.400	35.55±0.75 1.400	12.7±0.5 .500	105	.09	–	–	46 Min.	108±20%	–	–

*This dimension may be modified to suit specific applications.