

# EMI Suppression Beads

Listed in ascending order of "B" dimension.

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

Typical Impedance( $\Omega$ )<sup>1</sup>

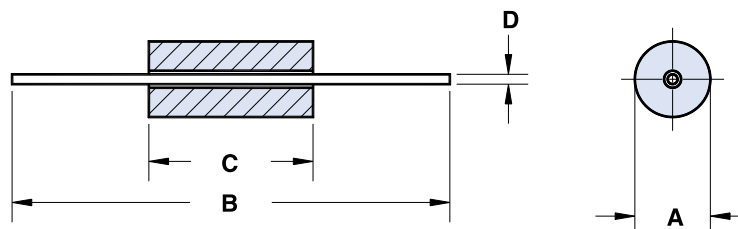
Part Number**	A	B	C*	Wt (g)	H (Oe)	10 MHz	25 MHz	100 MHz	250 MHz
<b>2673030101</b>	<b>1.22 - 0.13</b> .045	<b>0.8+0.1</b> .033	<b>5.3 - 0.45</b> .200	.01	4.1	14	21	-	-
2673025301	<b>1.25 - 0.1</b> .047	<b>0.8+0.1</b> .033	<b>3.8±0.2</b> .150	.01	4.0	10	15	-	-
2673010101	<b>1.95 - 0.25</b> .072	<b>0.8+0.1</b> .033	<b>10.0 - 0.4</b> .384	.08	3.3	55	77	-	-
2643706001	<b>3.5±0.25</b> .138	<b>0.8+0.1</b> .033	<b>2.7 - 0.45</b> .097	.06	2.5	-	26	45	-
2673025001	<b>1.42±0.05</b> .056	<b>0.85+0.1</b> .034	<b>3.8±0.2</b> .150	.02	3.6	12.5	20	-	-
<b>2643020501</b>	<b>1.65±0.025</b> .065	<b>0.85+0.1</b> .034	<b>3.68 - 0.25</b> .140	.02	3.4	-	17	31	-
2673004801	<b>2.1 - 0.15</b> .080	<b>0.85+0.1</b> .034	<b>2.9 - 0.45</b> .105	.03	3.1	20	28	-	-
2643004801	<b>2.1 - 0.15</b> .080	<b>0.85+0.1</b> .034	<b>2.9 - 0.45</b> .105	.03	3.1	-	18	31	-
<b>2673028602</b>	<b>2.13 - 0.1</b> .082	<b>0.85+0.1</b> .034	<b>5.6±0.15</b> .220	.09	2.7	31	50	-	-
<b>2673012401</b>	<b>1.55 - 0.1</b> .059	<b>0.95+0.15</b> .040	<b>4.2 - 0.25</b> .160	.02	3.3	11	19	-	-
2673002201	<b>1.95 - 0.2</b> .072	<b>1.05+0.1</b> .043	<b>10.4±0.25</b> .410	.08	2.9	38	55	-	-
<b>2643002201</b>	<b>1.95 - 0.2</b> .072	<b>1.05+0.1</b> .043	<b>10.4±0.25</b> .410	.08	2.9	-	34	58	-
<b>2673000501</b>	<b>2.0 - 0.15</b> .076	<b>1.05+0.1</b> .043	<b>1.65 - 0.25</b> .060	.01	2.8	7.5	12	-	-
<b>2643000501</b>	<b>2.0 - 0.15</b> .076	<b>1.05+0.1</b> .043	<b>1.65 - 0.25</b> .060	.01	2.8	-	9	22	-
2673000201	<b>2.0 - 0.15</b> .076	<b>1.05+0.1</b> .043	<b>3.8±0.25</b> .150	.03	2.8	18	27	-	-
<b>2643000201</b>	<b>2.0 - 0.15</b> .076	<b>1.05+0.1</b> .043	<b>3.8±0.25</b> .150	.03	2.8	-	16	31	-
<b>2673000101</b>	<b>3.5±0.2</b> .138	<b>1.3±0.1</b> .051	<b>3.25±0.25</b> .128	.10	2.0	25	35	-	-
<b>2643000101</b>	<b>3.5±0.2</b> .138	<b>1.3±0.1</b> .051	<b>3.25±0.25</b> .128	.10	2.0	-	26	40	-
2661000101	<b>3.5±0.2</b> .138	<b>1.3±0.1</b> .051	<b>3.25±0.25</b> .128	.10	2.0	-	-	27.5	43
<b>2673000301</b>	<b>3.5±0.2</b> .138	<b>1.3±0.1</b> .051	<b>6.0±0.25</b> .236	.18	2.0	44	62	-	-
<b>2643000301</b>	<b>3.5±0.2</b> .138	<b>1.3±0.1</b> .051	<b>6.0±0.25</b> .236	.18	2.0	-	46	60	-

\*\*Bold part numbers designate preferred parts.

\*This dimension may be modified to suit specific applications.

<sup>1</sup> Guaranteed Z Min is Z Typ -20%

# Beads on Leads



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

Part Number*	A	B	C	D	Wt (g)	Typical Impedance( $\Omega$ ) <sup>1</sup>				Z, R <sub>s</sub> , X <sub>L</sub> vs. Frequency Curve	DC Bias Curve
						10 MHz	25 MHz	100 MHz	250 MHz		
<b>2743003112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>6.7±0.25</b> .263	<b>0.65</b> 22 AWG	.5	–	65	100	–	Figure 11A	Figure 11B
<b>2761003112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>6.7±0.25</b> .263	<b>0.65</b> 22 AWG	.5	–	–	88	125	Figure 12A	Figure 12B
<b>2773004112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>7.6±0.3</b> .300	<b>0.65</b> 22 AWG	.5	80	100	–	–	Figure 13A	Figure 13B
<b>2743004112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>7.6±0.3</b> .300	<b>0.65</b> 22 AWG	.5	–	75	110	–	Figure 14A	Figure 14B
<b>2761004112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>7.6±0.3</b> .300	<b>0.65</b> 22 AWG	.5	–	–	94	144	Figure 15A	Figure 15B
<b>2773002112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>8.9±0.3</b> .350	<b>0.65</b> 22 AWG	.6	94	115	–	–	Figure 16A	Figure 16B
<b>2743002112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>8.9±0.3</b> .350	<b>0.65</b> 22 AWG	.6	–	88	133	–	Figure 17A	Figure 17B
<b>2761002112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>8.9±0.3</b> .350	<b>0.65</b> 22 AWG	.6	–	–	113	168	Figure 18A	Figure 18B
<b>2773007112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>9.5±0.3</b> .374	<b>0.65</b> 22 AWG	.6	110	115	–	–	Figure 19A	Figure 19B
<b>2743007112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>9.5±0.3</b> .374	<b>0.65</b> 22 AWG	.6	–	96	150	–	Figure 20A	Figure 20B
<b>2761007112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>9.5±0.3</b> .374	<b>0.65</b> 22 AWG	.6	–	–	125	180	Figure 21A	Figure 21B
<b>2773008112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>11.4±0.4</b> .450	<b>0.65</b> 22 AWG	.7	125	145	–	–	Figure 22A	Figure 22B
<b>2743008112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>11.4±0.4</b> .450	<b>0.65</b> 22 AWG	.7	–	116	180	–	Figure 23A	Figure 23B
<b>2761008112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>11.4±0.4</b> .450	<b>0.65</b> 22 AWG	.7	–	–	144	213	Figure 24A	Figure 24B
<b>2773009112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>13.8±0.5</b> .545	<b>0.65</b> 22 AWG	.8	151	170	–	–	Figure 25A	Figure 25B
<b>2743009112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>13.8±0.5</b> .545	<b>0.65</b> 22 AWG	.8	–	143	220	–	Figure 26A	Figure 26B
<b>2761009112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>13.8±0.5</b> .545	<b>0.65</b> 22 AWG	.8	–	–	175	258	Figure 27A	Figure 27B
<b>2743012201+</b>	<b>9.8±0.3</b> .385	<b>62.0±1.5</b> 2.440	<b>11.4±0.4</b> .449	<b>0.8</b> 20 AWG	4.5	–	193	271	–	Figure 28A	Figure 28B
<b>2743013211+</b>	<b>9.8±0.3</b> .385	<b>62.0±1.5</b> 2.440	<b>14.0±0.5</b> .550	<b>0.8</b> 20 AWG	5.5	–	235	331	–	Figure 29A	Figure 29B
<b>2743014221+</b>	<b>9.8±0.3</b> .385	<b>62.0±1.5</b> 2.440	<b>16.5±0.5</b> .650	<b>0.8</b> 20 AWG	6.5	–	280	391	–	Figure 30A	Figure 30B

\* Bold part numbers designate preferred parts.

+ Not available taped and reeled.

<sup>1</sup>Guaranteed Z Min is Z Typ -20%

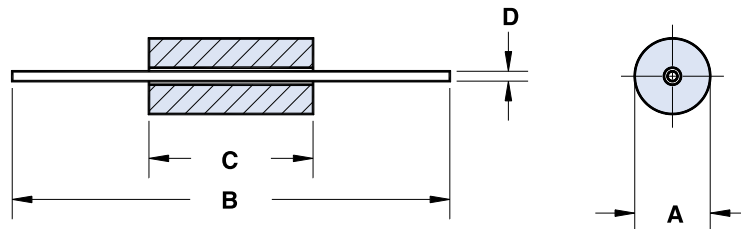
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(888) 324-7748 (888) 337-7483 Note: (914) Area Code has changed to (845).

# Beads on Leads

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

- Parts with a "2" as the last digit of the part number are supplied taped and reeled per IEC 60286-1 and EIA Standard RS-296-F. Taped and reeled parts are supplied 4500 pieces on a 14" reel. 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 part number is a "1".



- Wires are oxygen free high conductivity copper with a tin/lead coating. The resistance of the wire is 3.5 mΩ maximum for the 22 AWG wire and 2.2 mΩ maximum for the 20 AWG wire.
- 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.
- Recommended storage and operating temperature is -55°C to 125°C.
- For impedance vs. frequency curves and DC bias curves for these parts, see Figures 1-30.
- For any bead on lead requirement not listed in the catalog, please contact our customer service group for availability and pricing.
- The Bead on Lead EMI Suppressor Kit (part number 0199000028) is available for prototype evaluation. See page 92.

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

Part Number*	A	B	C	D	Wt (g)	Typical Impedance(Ω) <sup>1</sup>				Z, R <sub>s</sub> , X <sub>L</sub> vs. Frequency Curve	DC Bias Curve
						10 MHz	25 MHz	100 MHz	250 MHz		
<b>2773001112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>4.45±0.25</b> .175	<b>0.65</b> 22 AWG	.4	48	61	—	—	Figure 1A	Figure 1B
<b>2743001112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>4.45±0.25</b> .175	<b>0.65</b> 22 AWG	.4	—	49	68	—	Figure 2A	Figure 2B
<b>2761001112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>4.45±0.25</b> .175	<b>0.65</b> 22 AWG	.4	—	—	56	80	Figure 3A	Figure 3B
<b>2773015112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>5.25±0.25</b> .206	<b>0.65</b> 22 AWG	.4	55	68	—	—	Figure 4A	Figure 4B
<b>2743015112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>5.25±0.25</b> .206	<b>0.65</b> 22 AWG	.4	—	54	82	—	Figure 5A	Figure 5B
<b>2761015112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>5.25±0.25</b> .206	<b>0.65</b> 22 AWG	.4	—	—	69	100	Figure 6A	Figure 6B
<b>2773005112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>6.0±0.25</b> .236	<b>0.65</b> 22 AWG	.4	63	78	—	—	Figure 7A	Figure 7B
<b>2743005112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>6.0±0.25</b> .236	<b>0.65</b> 22 AWG	.4	—	60	91	—	Figure 8A	Figure 8B
<b>2761005112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>6.0±0.25</b> .236	<b>0.65</b> 22 AWG	.4	—	—	75	113	Figure 9A	Figure 9B
<b>2773003112</b>	<b>3.5±0.25</b> .138	<b>62.0±1.5</b> 2.440	<b>6.7±0.25</b> .263	<b>0.65</b> 22 AWG	.5	70	86	—	—	Figure 10A	Figure 10B

\* Bold part numbers designate preferred parts.

<sup>1</sup>Guaranteed Z Min is Z Typ -20%

# EMI Suppression Beads

Listed in ascending order of "B" dimension.

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

Typical Impedance( $\Omega$ )<sup>1</sup>

Part Number**	A	B	C*	Wt (g)	H (Oe)	10 MHz	25 MHz	100 MHz	250 MHz
2643001301	<b>3.55±0.15</b> .140	<b>1.65±0.25</b> .070	<b>5.95±0.25</b> .234	.18	1.6	-	31	48	-
<b>2673015301</b>	<b>4.1 - 0.25</b> .156	<b>1.8±0.15</b> .071	<b>6.85±0.25</b> .270	.26	1.5	41	54	-	-
<b>2643005701</b>	<b>5.1±0.25</b> .200	<b>2.3±0.2</b> .090	<b>12.7±0.35</b> .500	.81	1.2	-	78	120	-
<b>2673000801</b>	<b>7.5±0.25</b> .296	<b>2.25±0.25</b> .094	<b>7.55±0.25</b> .297	1.0	1.0	48	52	-	-
<b>2643000801</b>	<b>7.5±0.25</b> .296	<b>2.25±0.25</b> .094	<b>7.55±0.25</b> .297	1.0	1.0	-	63	92	-
2643300101	<b>7.6±0.25</b> .300	<b>2.25±0.25</b> .094	<b>15.1±0.75</b> .595	2.1	1.0	-	115	200	-
2673200201	<b>5.2±0.15</b> .205	<b>2.65±0.25</b> .105	<b>20.6±0.75</b> .812	1.3	1.1	88	125	-	-
<b>2673003201</b>	<b>5.6 - 0.5</b> .210	<b>2.65±0.25</b> .105	<b>12.7±0.5</b> .500	.87	1.1	59	85	-	-
<b>2643003201</b>	<b>5.6 - 0.5</b> .210	<b>2.65±0.25</b> .105	<b>12.7±0.5</b> .500	.87	1.1	-	63	88	-
<b>2643250402</b>	<b>6.35±0.15</b> .250	<b>2.95±0.45</b> .125	<b>12.7±0.5</b> .500	1.2	.91	-	69	102	-
<b>2643250302</b>	<b>6.35±0.15</b> .250	<b>2.95±0.45</b> .125	<b>15.9±0.5</b> .625	1.5	.91	-	85	122	-
2631250202	<b>6.35±0.15</b> .250	<b>2.95±0.45</b> .125	<b>25.4±0.75</b> 1.000	2.5	.91	90	138	230	-
<b>2643250202</b>	<b>6.35±0.15</b> .250	<b>2.95±0.45</b> .125	<b>25.4±0.75</b> 1.000	2.5	.91	-	135	200	-
2643375102	<b>9.5±0.25</b> .375	<b>4.5±0.75</b> .192	<b>6.35±0.35</b> .250	1.4	.60	-	35	50	-
2643375002	<b>9.5±0.25</b> .375	<b>4.5±0.75</b> .192	<b>14.5±0.6</b> .570	3.1	.60	-	78	115	-
<b>2643006302</b>	<b>9.5±0.25</b> .375	<b>4.75±0.3</b> .193	<b>10.4±0.25</b> .410	2.2	.60	-	53	80	-
2643023402	<b>9.5±0.25</b> .375	<b>4.75±0.3</b> .193	<b>15.9±0.45</b> .625	3.4	.60	-	83	120	-
<b>2643023002</b>	<b>9.5±0.25</b> .375	<b>4.75±0.3</b> .193	<b>19.05±0.7</b> .750	4.1	.60	-	100	145	-
2673002402	<b>9.65±0.25</b> .380	<b>5.0±0.2</b> .197	<b>5.05 - 0.45</b> .190	1.1	.59	19	20	-	-
<b>2643002402</b>	<b>9.65±0.25</b> .380	<b>5.0±0.2</b> .197	<b>5.05 - 0.45</b> .190	1.1	.59	-	26	43	-
2643012702	<b>9.65±0.25</b> .380	<b>6.35±0.15</b> .250	<b>7.35±0.25</b> .290	1.3	.51	-	24	38	-

\*\*Bold part numbers designate preferred parts.

<sup>1</sup>Guaranteed Z Min is Z Typ -20%

\*This dimension may be modified to suit specific applications.

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(888) 324-7748 (888) 337-7483 Note: (914) Area Code has changed to (845).

# SM Beads

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

Part Number*	Fig.	A	B	C	D	E	Wt (g)	Tape Width mm	Pitch mm	Parts/Reel
<b>2773019447</b>	1	<b>2.85±0.2</b> .112	<b>3.05±0.1</b> .120	<b>5.1 - 0.85</b> .184	<b>1.5±0.5</b> .059	—	.15	12	8	2800
<b>2743019447</b>	1	<b>2.85±0.2</b> .112	<b>3.05±0.1</b> .120	<b>5.1 - 0.85</b> .184	<b>1.5±0.5</b> .059	—	.15	12	8	2800
<b>2761019447</b>	1	<b>2.85±0.2</b> .112	<b>3.05±0.1</b> .120	<b>5.1 - 0.85</b> .184	<b>1.5±0.5</b> .059	—	.15	12	8	2800
<b>2773021447</b>	1	<b>2.85±0.2</b> .112	<b>3.05±0.1</b> .120	<b>9.6 - 0.95</b> .359	<b>1.5±0.5</b> .059	—	.30	16	8	2800
<b>2743021447</b>	1	<b>2.85±0.2</b> .112	<b>3.05±0.1</b> .120	<b>9.6 - 0.95</b> .359	<b>1.5±0.5</b> .059	—	.30	16	8	2800
<b>2761021447</b>	1	<b>2.85±0.2</b> .112	<b>3.05±0.1</b> .120	<b>9.6 - 0.95</b> .359	<b>1.5±0.5</b> .059	—	.30	16	8	2800
<b>2773037447</b>	1	<b>2.70±0.2</b> .106	<b>4.6±0.2</b> .181	<b>9.25 - 0.7</b> .350	<b>1.4±0.4</b> .055	—	.45	16	8	2800
<b>2743037447</b>	1	<b>2.70±0.2</b> .106	<b>4.6±0.2</b> .181	<b>9.25 - 0.7</b> .350	<b>1.4±0.4</b> .055	—	.45	16	8	2800
<b>2773044447</b>	1	<b>1.52 Max.</b> .060 Max.	<b>3.1±0.1</b> .122	<b>5.65±0.45</b> .222	<b>1.55±0.5</b> .061	—	.09	12	8	4500
<b>2744044447</b>	1	<b>1.52 Max.</b> .060 Max.	<b>3.1±0.1</b> .122	<b>5.65±0.45</b> .222	<b>1.55±0.5</b> .061	—	.09	12	8	4500
<b>2744041447</b>	2	<b>2.85±0.2</b> .112	<b>5.6±0.2</b> .220	<b>5.0 - 0.6</b> .185	<b>1.35±0.5</b> .053	<b>2.54±0.1</b> .100	.30	12	8	2400
<b>2744045447</b>	2	<b>2.85±0.2</b> .112	<b>5.6±0.2</b> .220	<b>8.9 - 0.8</b> .335	<b>1.35±0.5</b> .053	<b>2.54±0.1</b> .100	.53	16	8	2400
<b>2744040447</b>	3	<b>1.45±0.2</b> .057	<b>4.5±0.2</b> .177	<b>6.2 - 0.6</b> .232	<b>1.4±0.4</b> .055	<b>1.27±0.05</b> .050	.14	12	8	4000
<b>2744051447</b>	4	<b>4.5 Max.</b> .177 Max.	<b>6.65 Max.</b> .262 Max.	<b>12.0 Max.</b> .472 Max.	<b>2.5±0.5</b> .098	<b>3.00±0.1</b> .120	1.0	24	12	1000
<b>2744555577</b>	5	<b>5.0 Max.</b> .197 Max.	<b>5.00±0.25</b> .197	<b>11.0 Max.</b> .433 Max.	<b>2.0 Min.</b> .079 Min.	—	.96	24	12	1500

\* Bold part numbers designate preferred parts.

# Chip Beads

## Low Current Chip Beads (<1 Amp)

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

Pkg. Size	Dimensions				Wt(g)	Signal Speed	Part Number	Z( $\Omega$ ) $\pm$ 25% @ 100 MHz	Max. DCR ohm	Max. Current mA	Z, R <sub>s</sub> , X <sub>L</sub> vs. Frequency Curve	DC Bias Curve
	A	B	C	D								
<b>0603</b>	<b>0.8<math>\pm</math>0.3</b> .031	<b>0.8<math>\pm</math>0.3</b> .031	<b>1.6<math>\pm</math>0.15</b> .063	<b>0.4<math>\pm</math>0.2</b> .016	<b>0.006</b>	Standard	<b>2506033007Y0</b>	30	0.1	200	Figure 1A	Figure 1B
							<b>2506036007Y0</b>	60	0.2	200	Figure 2A	Figure 2B
							<b>2506038007Y0</b>	80	0.2	150	Figure 3A	Figure 3B
							<b>2506039007Y0</b>	90	0.2	150	Figure 4A	Figure 4B
							<b>2506031017Y0</b>	100	0.2	150	Figure 5A	Figure 5B
							<b>2506031217Y0</b>	120	0.2	150	Figure 6A	Figure 6B
							<b>2506031517Y0</b>	150	0.3	150	Figure 7A	Figure 7B
							<b>2506033017Y0</b>	300	0.6	100	Figure 8A	Figure 8B
							<b>2506036017Y0</b>	600	0.8	100	Figure 9A	Figure 9B
						<b>2506031027Y0</b>	1000	1	100	Figure 10A	Figure 10B	
						High	<b>2506036007Z0</b>	60	0.5	200	Figure 11A	Figure 11B
							<b>2506031217Z0</b>	120	0.5	150	Figure 12A	Figure 12B
							<b>2506033017Z0</b>	300	0.85	100	Figure 13A	Figure 13B
<b>0805</b>	<b>0.9<math>\pm</math>0.2</b> .035	<b>1.25<math>\pm</math>0.2</b> .049	<b>2.0<math>\pm</math>0.2</b> .079	<b>0.45<math>\pm</math>0.35</b> .018	<b>0.01</b>	Standard	<b>2508051107Y0</b>	11	0.1	300	Figure 14A	Figure 14B
							<b>2508053007Y0</b>	30	0.2	300	Figure 15A	Figure 15B
							<b>2508055007Y0</b>	50	0.2	300	Figure 16A	Figure 16B
							<b>2508056007Y0</b>	60	0.2	300	Figure 17A	Figure 17B
							<b>2508059007Y0</b>	90	0.3	300	Figure 18A	Figure 18B
							<b>2508051017Y0</b>	100	0.3	300	Figure 19A	Figure 19B
							<b>2508051217Y0</b>	120	0.3	300	Figure 20A	Figure 20B
							<b>2508051817Y0</b>	180	0.3	300	Figure 21A	Figure 21B
							<b>2508053017Y0</b>	300	0.4	300	Figure 22A	Figure 22B
							<b>2508056017Y0</b>	600	0.6	200	Figure 23A	Figure 23B
							<b>2508051027Y0</b>	1000	0.8	100	Figure 24A	Figure 24B
						<b>2508051527Y0</b>	1500	1	100	Figure 25A	Figure 25B	
						High	<b>2508056007Z0</b>	60	0.3	300	Figure 26A	Figure 26B
							<b>2508051217Z0</b>	120	0.3	300	Figure 27A	Figure 27B
<b>2508053017Z0</b>	300	0.55	100	Figure 28A	Figure 28B							
<b>1206</b>	<b>1.1<math>\pm</math>0.2</b> .043	<b>1.6<math>\pm</math>0.2</b> .063	<b>3.2<math>\pm</math>0.2</b> .126	<b>0.55<math>\pm</math>0.45</b> .022	<b>0.03</b>	Standard	<b>2512063007Y0</b>	30	0.1	500	Figure 29A	Figure 29B
							<b>2512065007Y0</b>	50	0.2	400	Figure 30A	Figure 30B
							<b>2512066007Y0</b>	60	0.2	400	Figure 31A	Figure 31B
							<b>2512067007Y0</b>	70	0.2	400	Figure 32A	Figure 32B
							<b>2512068007Y0</b>	80	0.2	400	Figure 33A	Figure 33B
							<b>2512069007Y0</b>	90	0.2	300	Figure 34A	Figure 34B
							<b>2512061017Y0</b>	100	0.2	300	Figure 35A	Figure 35B
							<b>2512061217Y0</b>	120	0.2	300	Figure 36A	Figure 36B
							<b>2512063017Y0</b>	300	0.3	200	Figure 37A	Figure 37B
							<b>2512066017Y0</b>	600	0.6	200	Figure 38A	Figure 38B
							<b>2512061027Y0</b>	1000	0.8	100	Figure 39A	Figure 39B
							<b>2512061527Y0</b>	1500@50 MHz	1	100	Figure 40A	Figure 40B
<b>1806</b>	<b>1.6<math>\pm</math>0.2</b> .063	<b>1.6<math>\pm</math>0.2</b> .063	<b>4.5<math>\pm</math>0.2</b> .177	<b>0.55<math>\pm</math>0.45</b> .022	<b>0.06</b>	Standard	<b>2518066007Y0</b>	60	0.2	500	Figure 41A	Figure 41B
							<b>2518067007Y0</b>	70	0.2	500	Figure 42A	Figure 42B
							<b>2518068007Y0</b>	80	0.2	500	Figure 43A	Figure 43B
							<b>2518061017Y0</b>	100	0.3	400	Figure 44A	Figure 44B
							<b>2518061517Y0</b>	150	0.3	400	Figure 45A	Figure 45B
							<b>2518063017Y0</b>	300	0.3	400	Figure 46A	Figure 46B

\* Bold part numbers designate preferred parts.

# Chip Beads

## Medium Current Chip Beads (1-3 Amp)

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

Pkg. Size	Dimensions				Wt(g)	Signal Speed	Part Number*	Z( $\Omega$ ) $\pm$ 25% @ 100 MHz	Max. DCR ohm	Max. Current mA	Z, R <sub>s</sub> , X <sub>L</sub> vs. Frequency Curve	DC Bias Curve
	A	B	C	D								
<b>0603</b>	<b>0.8<math>\pm</math>0.3</b> .031	<b>0.8<math>\pm</math>0.3</b> .031	<b>1.6<math>\pm</math>0.15</b> .063	<b>0.4<math>\pm</math>0.2</b> .016	<b>0.006</b>	Standard	<b>2506033007Y1</b>	30	0.1	1000	Figure 47A	Figure 47B
<b>0805</b>	<b>0.9<math>\pm</math>0.2</b> .035	<b>1.25<math>\pm</math>0.2</b> .049	<b>2.0<math>\pm</math>0.2</b> .079	<b>0.55<math>\pm</math>0.45</b> .022	<b>0.01</b>	Standard	<b>2508053007Y3</b>	30	0.04	3000	Figure 48A	Figure 48B
<b>1206</b>	<b>1.1<math>\pm</math>0.2</b> .043	<b>1.6<math>\pm</math>0.2</b> .063	<b>3.2<math>\pm</math>0.2</b> .126	<b>0.55<math>\pm</math>0.45</b> .022	<b>0.03</b>	Standard	<b>2512061907Y1</b>	19	0.04	1500	Figure 49A	Figure 49B
							<b>2512063007Y3</b>	30	0.04	3000	Figure 50A	Figure 50B
							<b>2512065007Y3</b>	50	0.05	3000	Figure 51A	Figure 51B
							<b>2512067007Y3</b>	70	0.05	3000	Figure 52A	Figure 52B
<b>1806</b>	<b>1.6<math>\pm</math>0.2</b> .063	<b>1.6<math>\pm</math>0.2</b> .063	<b>4.5<math>\pm</math>0.2</b> .177	<b>0.55<math>\pm</math>0.45</b> .022	<b>0.06</b>	Standard	<b>2518066007Y3</b>	60	0.04	3000	Figure 54A	Figure 54B
							<b>2518068007Y1</b>	80	0.1	1500	Figure 55A	Figure 55B
<b>1812</b>	<b>1.6<math>\pm</math>0.2</b> .063	<b>3.2<math>\pm</math>0.2</b> .126	<b>4.5<math>\pm</math>0.2</b> .177	<b>0.55<math>\pm</math>0.45</b> .022	<b>0.09</b>	Standard	<b>2518127007Y3</b>	70	0.04	3000	Figure 56A	Figure 56B
							<b>2518121217Y3</b>	120	0.04	3000	Figure 57A	Figure 57B

## High Current Chip Beads (>3 Amp)

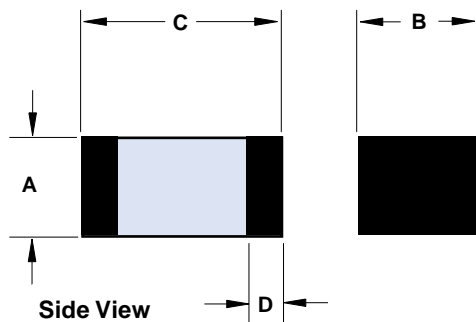
Dimensions (Bold numbers are in millimeters, light numbers are in inches.)

Pkg. Size	Dimensions				Wt(g)	Signal Speed	Part Number*	Z( $\Omega$ ) $\pm$ 25% @ 100 MHz	Max. DCR ohm	Max. Current mA	Z, R <sub>s</sub> , X <sub>L</sub> vs. Frequency Curve	DC Bias Curve
	A	B	C	D								
<b>1206</b>	<b>1.1<math>\pm</math>0.2</b> .043	<b>1.6<math>\pm</math>0.2</b> .063	<b>3.2<math>\pm</math>0.2</b> .126	<b>0.6<math>\pm</math>0.2</b> .024	<b>0.03</b>	Standard	<b>2512065007Y6</b>	50	0.02	6000	Figure 58A	Figure 58B
<b>1806</b>	<b>1.6<math>\pm</math>0.2</b> .063	<b>1.6<math>\pm</math>0.2</b> .063	<b>4.5<math>\pm</math>0.2</b> .177	<b>0.6<math>\pm</math>0.2</b> .024	<b>0.06</b>	Standard	<b>2518065007Y6</b>	50	0.01	6000	Figure 59A	Figure 59B
							<b>2518068007Y6</b>	80	0.02	6000	Figure 60A	Figure 60B
<b>1812</b>	<b>1.6<math>\pm</math>0.2</b> .063	<b>3.2<math>\pm</math>0.2</b> .126	<b>4.5<math>\pm</math>0.2</b> .177	<b>0.55<math>\pm</math>0.45</b> .022	<b>0.09</b>	Standard	<b>2518121217Y6</b>	120	0.02	6000	Figure 61A	Figure 61B

\* Bold part numbers designate preferred parts.

## Part Number System: Example 2512063017Y1

25	1206	301	7	Y	1
Chip Bead Code	Package Size Code	Impedance Code	Packaging Code	Material Code	Current Code
			6= Bulk Packed 7= Taped and Reeled 7" Reel 8= Taped and Reeled 13" Reel	Y = Standard Signal Speed Z = High Signal Speed	0 < 1.0A 1 $\geq$ 1.0A < 2.0A 3 $\geq$ 3.0A < 4.0A 6 $\geq$ 6.0A < 7.0A



## Standard Soldering Profile

