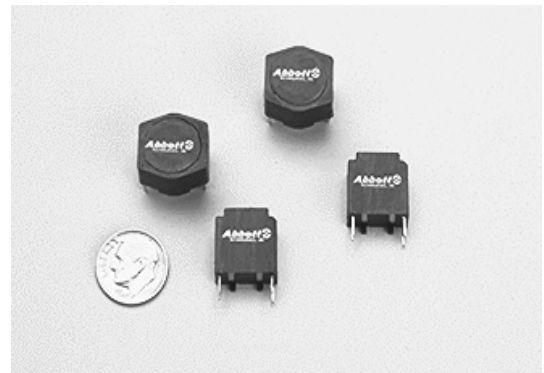


Toroidal PC Mount Inductors

- Dual windings permit series, parallel or transformer connection
- Vertical and horizontal styles for optimum use of board area
- Built to meet construction requirements of MIL-PRF-27F* type TF5S04ZZ
- Rated for 40°C temperature rise at DC current listed for 20% drop in inductance
- Additional inductances and power ranges available



Size	Figure	L	W	H	H2	T	TL	TW	SW	
1	Horiz	C	.69	.67	.49	.39	.21	.590 (15 mm)	.394 (10 mm)	.310
2	Vert	A	.51	.71	.78	.06	.22	.394 (10 mm)	.197 (5 mm)	-
3	Horiz	C	.88	.89	.57	.51	.21	.787 (20 mm)	.492 (12.5 mm)	.450
4	Vert	A	.61	.90	.98	.06	.22	.492 (12.5 mm)	.394 (10 mm)	-
5	Horiz	C	1.08	1.08	.69	.60	.21	.984 (25 mm)	.590 (15 mm)	.475
6	Vert	A	.71	1.07	1.18	.06	.22	.590 (15 mm)	.492 (12.5 mm)	-
7	Horiz	B	1.30	1.30	.78	.06	.20	1.200	.800	-
8	Vert	A	.91	1.37	1.45	.08	.23	.787 (20 mm)	.590 (15 mm)	-

NOTES:

1. Dimensional tolerances: XX = ± .03 XXX = ± .010
2. "L" and "W" dimensions measured at bottom to allow for case mold draft

③ White dot (on top) indicates terminal 1

* Superseded MIL-T-27

Mechanical Drawings

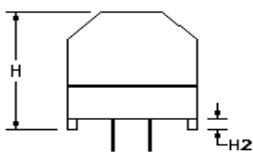


FIG A
(Sizes 2, 4, 6, 8)

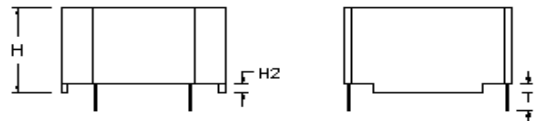


FIG B
(Size 7)

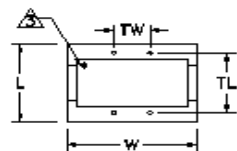
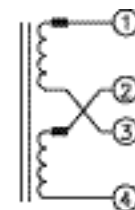


FIG C
(Sizes 1, 3, 5)

Circuit Diagram



Toroidal PC Mount Inductors

Inductance at 0 DC (uH)	DC at 10% drop in L (AMPS)	DC at 20% drop in L (AMPS)	DCR Max (OHMS)	Horizontal Style Model	Size	Vertical Style Model	Size
6 / 24	5.0 / 2.5	8.0 / 4.0	.004 / .015	TH1240	1	TV2240	2
10 / 40	3.8 / 1.9	4.8 / 2.4	.008 / .022	TH1400	1	TV2400	2
30 / 120	2.2 / 1.1	4.0 / 2.0	.017 / .07	TH1121	1	TV2121	2
75 / 300	1.3 / .67	2.5 / 1.3	.041 / .16	TH1301	1	TV2301	2
100 / 400	1.2 / .59	2.2 / 1.1	.06 / .22	TH1401	1	TV2401	2
150 / 600	.96 / .48	1.8 / .90	.08 / .33	TH1601	1	TV2601	2
200 / 800	.83 / .41	1.6 / .80	.11 / .44	TH1801	1	TV2801	2
250 / 1000	.75 / .38	1.4 / .70	.14 / .55	TH1102	1	TV2102	2
<hr/>							
8 / 32	9.8 / 4.9	15.0 / 7.5	.005 / .019	TH3320	3	TV4320	4
15 / 60	7.0 / 3.5	11.0 / 5.5	.009 / .035	TH3600	3	TV4600	4
40 / 160	4.5 / 2.2	6.8 / 3.4	.025 / .09	TH3161	3	TV4161	4
80 / 320	3.1 / 1.5	4.8 / 2.4	.05 / .19	TH3321	3	TV4321	4
125 / 500	2.5 / 1.2	3.0 / 1.5	.07 / .30	TH3501	3	TV4501	4
175 / 700	2.1 / 1.1	3.2 / 1.6	.10 / .41	TH3701	3	TV4701	4
225 / 900	1.8 / .92	2.8 / 1.4	.13 / .52	TH3901	3	TV4901	4
300 / 1200	1.6 / .80	2.4 / 1.2	.17 / .70	TH3122	3	TV4122	4
<hr/>							
20 / 80	7.6 / 3.8	11.8 / 5.9	.008 / .34	TH5800	5	TV6800	6
30 / 120	6.3 / 3.1	10.0 / 4.8	.013 / .050	TH5121	5	TV6121	6
50 / 200	4.8 / 2.4	7.6 / 3.7	.021 / .084	TH5201	5	TV6201	6
100 / 400	3.4 / 1.7	5.2 / 2.6	.04 / .17	TH5401	5	TV6401	6
150 / 600	2.8 / 1.4	4.4 / 2.2	.06 / .25	TH5601	5	TV6601	6
250 / 1000	2.1 / 1.1	3.4 / 1.7	.11 / .42	TH5102	5	TV6102	6
500 / 2000	1.5 / .76	2.4 / 1.2	.21 / .84	TH5202	5	TV6202	6
1250 / 5000	.96 / .48	1.5 / .75	.53 / 2.1	TH5502	5	TV6502	6
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50 / 200	8.7 / 4.4	12.6 / 6.3	.011 / .044	TH7201	7	TV8201	8
100 / 400	6.1 / 3.1	9.6 / 4.8	.022 / .09	TH7401	7	TV8401	8
150 / 600	5.0 / 2.5	7.9 / 3.9	.03 / .13	TH7601	7	TV8601	8
250 / 1000	3.9 / 2.0	6.0 / 3.0	.06 / .22	TH7102	7	TV8102	8
500 / 2000	2.8 / 1.4	4.4 / 2.2	.11 / .44	TH7202	7	TV8202	8
1250 / 5000	1.7 / .87	2.8 / 1.4	.28 / 1.1	TH7502	7	TV8502	8
1500 / 6000	1.6 / .81	2.6 / 1.3	.33 / 1.3	TH7602	7	TV8602	8
2500 / 10000	1.3 / .63	2.0 / 1.0	.55 / 2.2	TH7103	7	TV8103	8



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