

TOROID DATA

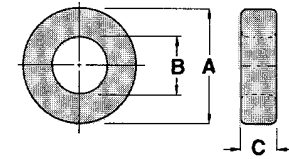
(Contact Factory for other available sizes)

available coatings	MECHANICAL DIMENSIONS (Note 1 - P13.3)						A_L (mH/1000 TURNS)						
	INCHES			MILLIMETERS			POWER MATERIALS				TELECOM MATERIALS		
	PART NO.	A (OD)	B (ID)	C HGT.(2)	A (OD)	B (ID)	C HGT.(2)	K 1500u ±25%	R 2300u ±25%	P 2500u ±25%	F 3000u ±20%	A• 750u ±20%	D 2000u ±20%
40200-TC	0.100	0.050	0.050	2.54	1.27	1.27	-	400	454	525	130	350	400
40301-TC	0.138	0.072	0.050	3.51	1.83	1.27	-	380	410	495	125	330	380
40502-TC	0.155	0.088	0.050	3.94	2.24	1.27	-	340	368	440	110	295	340
40503-TC	0.155	0.088	0.100	3.94	2.24	2.54	-	670	716	885	220	590	680
40401-TC	0.190	0.090	0.050	4.83	2.29	1.27	-	440	474	570	140	380	440
40402-TC	0.190	0.090	0.100	4.83	2.29	2.54	-	870	948	1,140	280	760	880
40601-TC	0.230	0.120	0.060	5.84	3.05	1.52	-	450	488	585	160	390	460
40603-TC	0.230	0.120	0.125	5.84	3.05	3.18	-	940	1,020	1,225	310	820	940
40705-TC	0.300	0.125	0.188	7.62	3.18	4.78	-	1,920	2,088	2,505	626	1,670	1,920
40907-TC	0.375	0.220	0.280	9.53	5.59	7.11	-	1,730	1,884	2,260	567	1,510	1,730
41003-TC	0.375	0.187	0.125	9.53	4.75	3.18	-	1,000	1,095	1,314	330	875	1,010
41005-TC	0.375	0.187	0.188	9.53	4.75	4.78	-	1,510	1,650	1,980	496	1,315	1,515
41206-TC	0.500	0.203	0.250	12.7	5.16	6.35	-	2,600	2,820	3,384	848	2,255	2,595
41303-TC	0.500	0.312	0.125	12.7	7.92	3.18	-	680	745	894	224	596	684
41305-TC	0.500	0.312	0.200	12.7	7.92	5.08	710	1,090	1,190	1,430	357	952	1,090
41306-TC	0.500	0.312	0.250	12.7	7.92	6.35	890	1,360	1,485	1,782	444	1,188	1,364
41406-TC	0.500	0.281	0.250	12.7	7.14	6.35	1,080	1,660	1,805	2,166	540	1,444	1,660
41407-TC	0.500	0.281	0.188	12.7	7.14	4.78	810	1,240	1,356	1,630	410	1,085	1,250
41506-TC	0.520	0.290	0.156	13.2	7.37	3.96	670	1,020	1,111	1,334	343	920	1,055
41435-TC	0.535	0.276	0.138	13.6	7.01	3.51	675	1,040	1,130	1,350	340	900	1,040
41450-TC	0.551	0.354	0.197	14.0	8.99	5.00	640	990	1,080	1,290	325	860	990
41605-TC	0.625	0.350	0.185	15.9	8.89	4.70	820	1,260	1,375	1,650	410	1,100	1,260
41809-TC	0.726	0.384	0.404	18.4	9.75	10.3	1,830	2,810	3,050	3,660	915	2,440	2,810
42106-TC	0.810	0.500	0.250	20.6	12.7	6.35	900	1,380	1,500	1,680	420	1,200	1,380
42109-TC	0.810	0.500	0.350	20.6	12.7	8.89	1,260	1,930	2,100	2,520	630	1,680	1,930
42206-TC	0.870	0.540	0.250	22.1	13.7	6.35	900	1,380	1,510	1,812	452	1,208	1,388
42207-TC	0.870	0.540	0.312	22.1	13.7	7.92	1,120	1,720	1,875	2,250	560	1,500	1,740
42212-TC	0.870	0.540	0.500	22.1	13.7	12.7	1,810	2,770	3,020	3,624	904	2,416	2,776
42507-TC	1.000	0.610	0.312	25.4	15.5	7.92	1,170	1,800	1,958	2,348	587	1,565	1,800
42508-TC	1.000	0.610	0.394	25.4	15.5	10.0	1,450	2,220	2,420	2,900	725	1,930	2,220
42908-TC	1.142	0.748	0.295	29.0	19.0	7.49	950	1,450	1,585	1,902	476	1,268	1,458
42915-TC	1.142	0.748	0.600	29.0	19.0	15.2	1,930	2,960	3,222	3,868	967	2,579	2,966
43113-TC	1.220	0.748	0.512	31.0	19.0	13.0	1,860	2,850	3,100	3,720	930	2,480	2,850
43205-TC	1.260	0.591	0.177	32.0	15.0	4.50	965	1,480	1,610	1,930	480	1,290	1,480
43610-TC	1.417	0.906	0.394	36.0	23.0	10.0	-	2,030	2,210	2,726	680	1,770	2,035
43615-TC	1.417	0.906	0.590	36.0	23.0	15.0	-	3,100	3,366	4,040	1,011	2,696	3,100
43806-TC	1.500	0.750	0.250	38.1	19.0	6.35	-	2,020	2,200	2,640	660	1,760	2,025
43813-TC	1.500	0.750	0.500	38.1	19.0	12.7	-	3,850	4,185	5,020	1,255	3,345	3,850
43825-TC	1.500	0.750	1.000	38.1	19.0	25.4	-	8,060	8,762	10,040	-	-	-
44416-TC	1.750	0.750	0.625	44.5	19.0	15.9	-	5,360	5,830	7,000	-	-	-
44715-TC	1.846	1.063	0.591	46.9	27.0	15.0	-	3,700	4,030	4,840	-	-	-
44916-TC	1.932	1.332	0.625	49.1	33.8	15.9	-	2,710	2,950	3,540	-	-	-
44920-TC	1.932	1.252	0.625	49.1	31.8	15.9	-	2,790	3,032	3,640	-	-	-
44925-TC	1.932	1.252	0.750	49.1	31.8	19.0	-	3,420	3,718	4,460	-	-	-
44932-TC	1.932	1.332	1.250	49.1	33.8	31.8	-	5,430	5,900	7,080	-	-	-
46113-TC	2.400	1.400	0.500	61.0	35.6	12.7	-	3,140	3,491	4,107	-	-	-
46326-TC	2.480	1.496	0.984	63.0	38.0	25.0	-	5,770	6,270	7,530	-	-	-
47313-TC	2.900	1.530	0.500	73.7	38.9	12.7	-	3,700	4,024	4,880	-	-	-
48613-TC	3.375	2.187	0.500	85.7	55.5	12.7	-	2,510	2,726	3,310	-	-	-

FOR PREFERRED PARTS, SEE INSIDE BACK COVER

• A_L values based on testing @ 5 gauss in a de-gaussed state.

PART NO.	AL (mH/1000 TURNS)			CORE WGT. (gms)	MAGNETIC DIMENSIONS				
	J 5000u ±20%	W 10,000u ±30%	H 15,000u ±30%		l_p (cm)	A_e (cm ²)	V_e (cm ³)	WINDOW AREA (cm ²)	WaAc (Note 3) (cm ⁴)
40200-TC	875	1,750	2,625	.03	0.553	0.008	0.0044	0.013	
40301-TC	825	1,650	2,475	.04	0.782	0.0102	0.0079	0.026	
40502-TC	735	1,470	2,205	.05	0.921	0.0108	0.0099	0.039	
40503-TC	1,475	2,950	4,425	.10	0.921	0.0210	0.0193	0.039	
40401-TC	950	1,900	2,850	.09	1.021	0.0154	0.0157	0.041	
40402-TC	1,900	3,800	5,700	.17	1.021	0.0308	0.0314	0.041	
40601-TC	980	1,960	2,940	.14	1.30	0.021	0.027	0.073	
40603-TC	2,040	4,080	6,120	.30	1.30	0.044	0.057	0.073	
40705-TC	4,175	8,350	12,500	.90	1.50	0.098	0.146	0.079	
40907-TC	3,765	7,530	11,300	1.6	2.27	0.135	0.306	0.245	0.033
41003-TC	2,196	4,392	6,590	.82	2.07	0.070	0.145	0.177	
41005-TC	3,308	6,616	9,920	1.2	2.07	0.107	0.221	0.177	0.019
41206-TC	5,640	11,280	16,900	3.3	2.46	0.221	0.554	0.209	0.046
41303-TC	1,488	2,976	4,460	1.2	3.12	0.072	0.225	0.493	0.035
41305-TC	2,380	4,760	7,140	1.9	3.12	0.117	0.364	0.493	0.058
41306-TC	2,968	5,936	8,900	2.4	3.12	0.146	0.457	0.493	0.072
41406-TC	3,612	7,224	10,800	2.7	2.95	0.169	0.498	0.400	0.064
41407-TC	2,715	5,430	8,140	1.9	2.95	0.126	0.373	0.400	0.050
41506-TC	2,295	4,590	6,880	1.9	3.06	0.109	0.332	0.426	0.046
41435-TC	2,260	4,520	6,780	1.8	3.01	0.108	0.326	0.386	0.042
41450-TC	2,160	4,320	6,480	2.2	3.50	0.120	0.421	0.636	0.076
41605-TC	2,760	5,520	8,280	2.8	3.68	0.153	0.562	0.620	0.094
41809-TC	6,115	12,200	18,300	9.9	4.14	0.403	1.67	0.746	0.301
42106-TC	2,800	5,600	8,400	5.4	5.00	0.231	1.15	1.27	0.293
42109-TC	4,200	8,400	12,600	8.1	5.00	0.326	1.63	1.27	0.414
42206-TC	3,020	6,040	9,060	6.4	5.42	0.250	1.36	1.48	0.370
42207-TC	3,700	7,400	11,100	8.5	5.42	0.315	1.71	1.48	0.466
42212-TC	6,040	12,080	18,100	13.5	5.42	0.511	2.77	1.48	0.756
42507-TC	3,913	7,825	11,700	11.6	6.17	0.374	2.31	1.89	0.707
42508-TC	4,830	9,660	14,490	14.9	6.17	0.475	2.93	1.89	0.898
42908-TC	3,170	6,340	9,510	12.9	7.32	0.358	2.62	2.84	1.02
42915-TC	6,447	12,894	19,300	27.6	7.32	0.740	5.42	2.84	2.10
43113-TC	6,200	12,400	—	29.3	7.55	0.745	5.62	2.83	2.11
43205-TC	3,220	6,440	—	12.9	6.72	0.345	2.32	1.77	0.611
43610-TC	4,543	9,085	—	29.4	8.97	0.628	5.63	4.15	2.61
43615-TC	6,736	13,400	—	44.0	8.97	0.946	8.48	4.15	3.93
43806-TC	4,400	8,800	—	26.4	8.30	0.570	4.73	2.85	1.62
43813-TC	8,365	16,700	—	51.7	8.30	1.15	9.55	2.85	3.27
43825-TC	16,730	33,400	—	103.4	8.30	2.31	19.2	2.85	6.58
44416-TC	11,600	23,200	—	80.8	8.87	1.87	16.6	2.85	5.33
44715-TC	8,075	16,100	—	84	11.0	1.42	15.7	5.72	8.12
44916-TC	5,900	11,800	—	75.3	12.7	1.16	14.8	8.99	10.4
44920-TC	6,065	12,130	—	74.6	12.3	1.19	14.7	7.94	9.45
44925-TC	7,435	14,870	—	91.0	12.3	1.46	18.0	7.94	11.6
44932-TC	11,800	23,600	—	150.6	12.7	2.36	30.0	8.99	21.2
46113-TC	6,845	13,690	—	117.3	14.5	1.56	22.5	9.93	15.5
46326-TC	12,500	25,100	—	231	15.2	3.04	46.2	11.3	34.4
47313-TC	8,140	16,280	—	177	16.5	2.12	35.5	11.9	25.2
48613-TC	5,520	11,040	—	203	21.5	1.87	40.2	24.2	45.2



TO ORDER TOROIDS

- (a) Add the material designation-letter before the part number (e.g., F-42206-TC).
- (b) For Parylene coated cores, add Y to part number (YF-40601-TC). For black lacquer coated cores, add X to part number (XF-41506-TC). For grey coated cores, add Z to part number (ZF-42206-TC).
- (c) "0" in part number = bare core (0F-40601-TC).
- (d) Suffixes for the following requirements may be added as shown:
 CC= core Color Coded
 PO= Polyester Only toroid coating
 NO= Nylon Only toroid coating
 For example, ZF-42206-TC-PO

**FOR PREFERRED PARTS,
SEE INSIDE BACK COVER**

NOTES

1. For the cores listed here, dimensional tolerances for bare and coated cores are on pages 13.4-13.6. Page 13.6 also lists guidelines for dimensional tolerances of all toroids.
2. Other core heights are available on special request.
3. Product of window area and core