

Toroids Cores

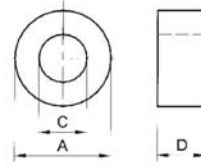
T 254×127×127 ~ T 85.7×55.5×12.7



Ordering Code System 產品識別碼



SHAPE 形狀



Symbols Definitions 符號定義

Effective Parameter 有效參數

- l_e (mm) Effective path length (有效磁路長)
- A_e (mm²) Effective cross-sectional area (有效截面積)
- V_e (mm³) Effective core volume (有效體積)
- $C1$ (mm²) Core constant (常數)
- AL (nH) Inductance factor (LN') (電感單位)

Toroids Cores

TAK toroidal cores are available in a number of sizes, and all toroidal cores are supplied burnished to break the sharp edges.

FEATURES

- TAK toroidal cores are supplied with epoxy and parylene insulation coating. Epoxy coating parts can withstand a minimum breakdown voltage of 1000Vrms, uniform applied across the C dimension of the core.
- Toroids with an outside diameter of 9.5mm or larger can be supplied with a uniform coating of a epoxy coating. This coating will increase the A and D dimensions and decrease the C dimension a maximum of 0.4mm.
- Toroids with an outside diameter of 9.5mm or smaller can be supplied with parylene coating. This coating will increase the A and D dimensions and decrease the C dimension a maximum of 0.04mm.

APPLICATIONS

- Pulse transformers, choke coils, filters, current sensors, EMI/RFI filters, balun transformers.

環形鐵芯

TAK 提供多種尺寸規格之環形鐵芯,並已去除毛邊。

特長:

- TAK 提供環氧樹脂和真空兩種塗裝方式之環形鐵芯,環氧樹脂塗裝方式耐壓測試可承受1000min伏特。
- 外徑在9.5mm以上的磁環,TAK 能夠提供環氧樹脂塗裝,此塗裝方式將增加A和D之尺寸,而減少C尺寸,其最大值为0.4mm。
- 外徑在9.5mm以下的磁環,TAK 能夠提供真空塗裝,此塗裝方式將增加A和D之尺寸,而減少C尺寸,其最大值为0.04mm。

用途:

- 脈動變壓器,抗流線圈,濾波線圈,電流感應器,EMI / RFI 線圈,匹配變壓器。

For any T core requirement not listed in the catalog, please feel free to contact with us for more information.



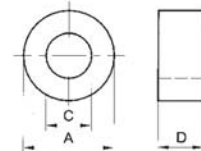
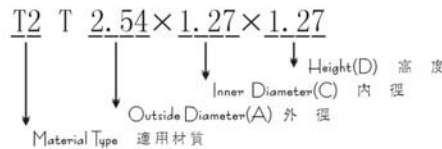
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Mn-Zn Products



Ordering code	Dimensions			Effective Parameter				Electrical characteristics (AL-Value)						Wt(g) (PC)
	A	C	UNIT:mm D	C1	Ae	le	Ve	TP40	T2	T3	T5	T7	T10	
T 2.54X1.27X1.27	2.54±0.2	1.27±0.2	1.27±0.2					406	474	508	846	1185	1693	0.0237
T 2.54X1.5X1.00	2.54±0.2	1.50±0.2	1.00±0.2					246	288	309	514	720	1029	0.0162
T 3.05X1.27X1.27	3.05±0.2	1.27±0.2	1.27±0.2					502	586	627	1046	1465	2093	0.0377
T 3.4X1.78X1.27	3.40±0.2	1.78±0.2	1.27±0.2					380	444	476	794	1112	1588	0.0411
T 3.4X1.78X1.78	3.40±0.2	1.78±0.2	1.78±0.2					534	623	668	1113	1558	2226	0.0577
T 3.4X1.78X2.06	3.50±0.2	1.78±0.2	2.06±0.2					618	721	773	1288	1803	2575	0.0667
T 3.5X1.83X1.27	3.94±0.2	1.83±0.2	1.27±0.2					382	446	478	796	1114	1592	0.0444
T 3.94X2.24X1.00	3.94±0.2	2.24±0.2	1.00±0.2					264	308	330	550	770	1100	0.0406
T 3.94X2.24X1.27	3.94±0.2	2.24±0.2	1.27±0.2					335	391	419	698	970	1396	0.0515
T 3.94X2.24X1.52	3.94±0.2	2.24±0.2	1.52±0.2					401	468	501	835	1170	1671	0.0616
T 3.94X2.24X1.65	3.94±0.2	2.24±0.2	1.65±0.2					436	509	545	908	1272	1817	0.0669
T 3.94X2.24X1.78	3.94±0.2	2.24±0.2	1.78±0.2					470	548	588	979	1371	1958	0.0722
T 3.94X2.24X2.00	3.94±0.2	2.24±0.2	2.00±0.2					528	616	660	1100	1540	2200	0.0374
T 3.94X2.24X2.54	3.94±0.2	2.24±0.2	2.54±0.2					671	783	839	1398	1957	2796	0.0474
T 4.00X2.00X1.25	4.00±0.2	2.00±0.2	1.25±0.2					400	467	500	833	1167	1667	0.0579



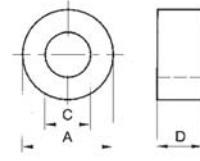
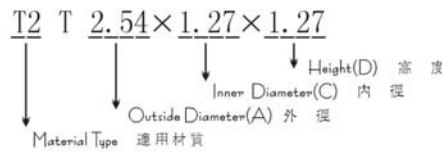
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Mn-Zn Products



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	A	C	D		C1	Ae	le	Ve	TP40	T2	T3	T5	T7	T10	
					mm ²	mm ²	mm	mm ³	±25%	±25%	±25%	±25%	±25%	±30%	
T 4.00X2.00X2.00	4.00±0.2	2.00±0.2	2.00±0.2						640	747	800	1333	1867	2667	0.0926
T 4.83X2.29X1.00	4.83±0.2	2.29±0.2	1.00±0.2						342	399	428	713	998	1425	0.0698
T 4.83X2.29X1.27	4.83±0.2	2.29±0.2	1.27±0.2						435	508	544	906	1269	1813	0.0887
T 4.83X2.29X2.54	4.83±0.2	2.29±0.2	2.54±0.2						870	1015	1088	1813	2538	3625	0.1173
T 5.84X3.05X1.52	5.84±0.2	3.05±0.2	1.52±0.2						458	534	573	954	1336	1908	0.1455
T 5.84X3.05X2.54	5.84±0.2	3.05±0.2	2.54±0.2						765	893	956	1594	2231	3188	0.2432
T 5.84X3.05X3.05	5.84±0.2	3.05±0.2	3.05±0.2						919	1072	1149	1915	2680	3829	0.2920
T 5.84X3.05X3.18	5.84±0.2	3.05±0.2	3.18±0.2						958	1118	1198	1996	2794	3992	0.3045
T 5.84X3.30X1.52	5.84±0.2	3.30±0.2	1.52±0.2						406	474	508	846	1184	1692	0.1362
T 6.00X3.00X3.00	6.00±0.2	3.00±0.2	3.00±0.2						960	1120	1200	2000	2800	4000	0.3127
T 6.35X3.18X3.00	6.35±0.2	3.18±0.2	3.00±0.2						958	1118	1198	1996	2794	3992	0.3498
T 6.35X3.80X1.90	6.35±0.2	3.80±0.2	1.90±0.2						458	534	573	954	1336	1908	0.1898
T 6.35X3.80X3.18	6.35±0.2	3.80±0.2	3.18±0.2						767	895	959	1598	2237	3196	0.3177
T 7.62X3.18X3.18	7.62±0.3	3.18±0.2	3.18±0.2						1255	1464	1569	2615	3660	5229	0.5886
T 7.62X3.18X4.78	7.62±0.3	3.18±0.2	4.78±0.2						1887	2202	2359	3931	5504	7863	0.8848



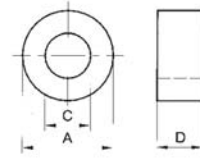
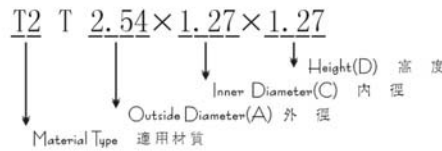
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	A	C	D		C1	Ae	le	Ve	TP40	T2	T3	T5	T7	T10	
					mm ²	mm ²	mm	mm ³	±25%	±25%	±25%	±25%	±25%	±30%	
T 8.00X4.00X4.00	8.00±0.3	4.00±0.3	4.00±0.2						1280	1493	1600	2666	3733	5333	0.7411
T 9.00X5.00X3.00	9.00±0.4	5.00±0.4	3.00±0.2						823	960	1029	1715	2400	3429	0.6485
T 9.53X4.75X3.18	9.53±0.4	4.75±0.4	3.18±0.2						1022	1192	1278	2129	2981	4258	0.8379
T 9.53X4.75X6.35	9.53±0.4	4.75±0.4	6.35±0.3						2040	2380	2550	4250	5950	8500	1.6731
T 9.53X5.60X7.11	9.53±0.4	5.60±0.4	7.11±0.3						1773	2069	2216	3694	5171	7388	1.6319
T 10.0X6.00X4.00	10.0±0.5	6.00±0.5	4.00±0.2						960	1120	1200	2000	2800	4000	0.9882
T 12.0X6.00X4.10	12.0±0.5	6.00±0.5	4.10±0.2						1312	1531	1640	2733	3827	5467	1.7092
T 12.7X5.16X6.35	12.7±0.5	5.16±0.5	6.35±0.3						2574	3003	3218	5363	7508	10725	3.3008
T 12.7X7.14X4.78	12.7±0.5	7.14±0.5	4.78±0.3						1286	1500	1608	2679	3751	5358	2.0353
T 12.7X7.14X6.35	12.7±0.5	7.14±0.5	6.35±0.3						1708	1993	2135	3558	4982	7117	2.7038
T 12.7X7.92X5.08	12.7±0.5	7.92±0.5	5.08±0.3						1131	1320	1414	2356	3299	4713	1.9327
T 12.7X7.92X6.35	12.7±0.5	7.92±0.5	6.35±0.3						1413	1649	1766	2944	4121	5888	2.4159
T 13.0X7.10X4.80	13.0±0.5	7.10±0.5	4.80±0.3						1353	1579	1691	2819	3946	5638	2.1972
T 13.2X7.37X3.96	13.2±0.5	7.37±0.5	3.96±0.3						1077	1256	1346	2243	3141	4488	1.8331
T 14.0X8.00X5.00	14.0±0.5	8.00±0.5	5.00±0.3						1309	1527	1636	2727	3818	5454	2.5476



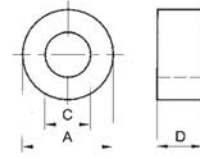
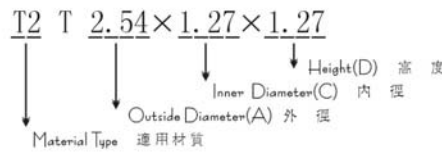
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T 14.0X8.00X7.00	14.00±0.5	8.000±0.5	7.00±0.4					1833	2139	2291	3819	5346	7638	3.5666
T 14.0X9.00X5.00	14.00±0.5	9.000±0.5	5.00±0.3					1043	1217	1304	2173	3042	4346	2.26
T 15.88X8.89X4.7	15.88±0.5	8.890±0.5	4.70±0.3					1273	1485	1591	2652	3713	5304	3.1411
T 16.0X9.00X4.70	16.00±0.5	9.000±0.5	4.70±0.3					1263	1474	1579	2631	3684	5263	3.1749
T 18.0X10.0X5.00	18.00±0.5	10.00±0.5	5.00±0.3					1371	1600	1714	2856	3999	5713	4.3232
T 18.4X9.75X10.3	18.40±0.5	9.750±0.5	10.3±0.4					3038	3544	3798	6329	8861	12658	9.6810
T 20.0X10.0X7.00	20.00±0.6	10.00±0.5	7.00±0.3					2240	2613	2800	4666	6533	9333	8.1060
T 20.3X12.7X6.35	20.30±0.6	12.70±0.5	6.35±0.3					1404	1638	1755	2925	4095	5850	6.1474
T 20.3X12.7X8.89	20.30±0.6	12.70±0.5	8.89±0.4					1965	2293	2456	4094	5731	8188	8.6063
T 22.0X14.0X8.00	22.00±0.5	14.00±0.5	8.00±0.3					1706	1991	2133	3555	4977	7111	9.04
T 22.1X13.72X6.35	22.10±0.6	13.72±0.6	6.35±0.3					1426	1664	1783	2971	4159	5942	5.2888
T 22.1X13.72X7.92	22.10±0.6	13.72±0.6	7.92±0.3					1779	2076	2224	3706	5189	7413	6.5964
T 25.0X15.0X10.0	25.00±0.6	15.00±0.6	10.0±0.4					2400	2800	3000	5000	7000	10000	15.000
T 25.4X15.5X7.93	25.40±0.6	15.50±0.6	7.93±0.3					1843	2150	2304	3840	5375	7679	12.394
T 26.0X15.0X20.0	26.00±0.6	15.00±0.6	20.0±0.6					5151	6010	6439	10731	11502	421463	34.817



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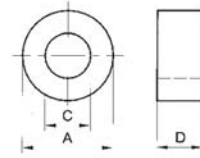
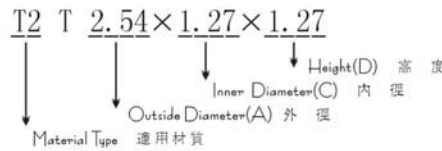
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Page 36

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	A	C	UNIT:mm D	C1 mm ²	Ae mm ²	le mm	Ve mm ³	TP40 ±25%	T2 ±25%	T3 ±25%	T5 ±25%	T7 ±25%	T10 ±30%	
T 29.0X18.0X7.49	29.0±0.8	19.0±0.6	7.49±0.3					1498	1748	1873	3121	4369	6242	13.877
T 29.0X19.0X15.2	29.0±0.8	19.0±0.6	15.20±0.5					3040	3547	3800	6333	8867	12667	28.163
T 32.0X19.0X13.0	32.0±0.8	19.0±0.6	13.00±0.5					3181	3711	3976	6627	9278	13254	33.269
T 36.0X23.0X10.0	36.0±0.8	23.0±0.8	10.00±0.4					2115	2468	2644	4406	6169	8813	27.00
T 36.0X23.0X15.0	36.0±0.8	23.0±0.8	15.00±0.5					3173	3702	3966	6610	9255	13221	44.409
T 37.0X22.0X15.0	37.0±0.8	22.0±0.8	15.00±0.5					3661	4271	4576	7627	10678	15254	51.242
T 38.0X19.0X6.35	38.0±0.8	19.0±0.6	6.350±0.3					2032	2371	2540	4233	5927	8467	26.545
T 38.0X19.0X12.7	38.0±0.8	19.0±0.6	12.70±0.5					4064	4741	5080	8467	11853	16933	53.091
T 38.0X19.0X25.4	38.0±0.8	19.0±0.6	25.40±0.8					8128	9483	10160	16933	23707	33867	106.18
T 49.0X32.0X15.88	49.0±1.0	32.0±1.0	15.88±0.5					3199	3732	3999	6665	9330	13329	84.406
T 49.0X32.0X19.0	49.0±1.0	32.0±1.0	19.00±0.6					3828	4466	4785	7975	11165	15950	100.99
T 49.0X32.0X31.75	49.0±1.0	32.0±1.0	31.75±0.8					6397	7463	7996	13327	18658	26654	168.76
T 60.9X35.5X12.7	60.9±2.0	35.5±2.0	12.70±0.6					3212	3747	4015	6692	9368	13383	120.03
T 73.6X38.8X12.7	73.6±2.0	38.8±2.0	12.70±0.8					3775	4404	4719	7865	11010	15729	191.75
T 85.7X55.5X12.7	85.7±3.5	55.5±3.5	12.70±1.0					2608	3043	3260	5433	7607	10867	209.04



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Page 37