





I FEATURE

1. Useful in a wide variety of power conversion and line filter applications
2. Wound on Iron Powder material toroids
3. High saturation current
4. Coated with varnish
5. Inductance range : 1.0uH to 10000uH

I APPLICATIONS

1. Power supplies
2. Swithing Circuits
3. SCR and Triac Controls
4. Output chokes
5. EMI / RFI chokes
6. Other filters

I 特性

1. 泛應用於電源轉換和線路濾波器
2. 線圈繞在鐵粉磁環上
3. 廣高飽和電流
4. 外塗以凡立水(透明膠)
5. 電感範圍 ：1.0uH 到 10000uH 之間

I 用途

1. 電源供給器
2. 開關電路
3. 珪控整流器和晶閘管控制電路
4. 輸出扼流
5. EMI / RFI 扼流圈
6. 其他濾波器

I PART NUMBERING SYSTEM(品名規定)

TC	12 07	D	———	100	M
1	2	3		4	5
TOROIDAL COILS	DIMENSIONS A 、B DIM	D:DIP S:SMD		INDUCTANCE 10*10^0=10uH	TOLERANCE CODE J :±5% K: ±10% L±15% M :±20% P: ±25% N: ±30%
環型電感器	尺寸	安裝形式		電感值	公差

I SPECIFICAL GUIDE FOR STANDARD COIL(TEST FREQ:1.0KHZ/0.25V)

PART NO	L(μH) At IDC=0A	DCR (mΩ)max	Imax (A)	L(μH) At IDC max	A (mm max)	B (mm max)
TC0805D-5R0M	5	0.007	0.5	4.9	7.5	4.5
TC0805D-9R0M	9	0.011	0.3	8.8	8.0	4.5
TC0805D-150M	15	0.070	0.5	13.5	7.5	4.5
TC0804D-200M	20	0.198	0.2	19.8	7.5	4.0
TC0804D-270M	27	0.033	0.1	27	7.5	4.0
TC0805D-270M	27	0.031	0.3	25.5	8.0	4.5
TC1207D-100M	10	0.017	2	7.7	12.0	7.0
TC1106D-120M	12	0.040	1	10.7	10.5	6.0
TC1207D-320M	32	0.065	1	25	12.0	7.0
TC1006D-370M	37	0.134	0.5	33.7	10.0	5.5
TC1006D-141M	140	0.265	0.5	107	10.0	6.0
TC1507D-8R2M	8.2	0.017	2	7.2	14.5	7.0
TC1508D-220M	22	0.030	2	17	14.5	7.5
TC1406D-240M	24	0.055	1	22	13.5	6.0
TC1306D-560M	56	0.181	0.5	53	12.5	5.5
TC1407D-680M	68	0.095	1	53	13.5	6.5
TC1307D-241M	240	0.360	0.5	190	13.0	6.5
TC1608D-150M	15	0.023	2	12.6	15.5	7.5
TC1507D-430M	43	0.074	1	37	14.5	7.0
TC1609D-680M	68	0.056	2	42	15.5	9.0
TC1407D-111M	110	0.250	0.5	100	14.0	6.5
TC1508D-141M	140	0.140	1	104	15.0	7.5
TC1508D-361M	360	0.460	0.5	285	14.5	7.5
TC1809D-200M	20	0.021	3	15	17.5	9.0
TC1709D-300M	30	0.035	2	25	17.0	8.5
TC1810D-600M	60	0.038	3	35	18.0	10.0
TC1608D-680M	68	0.101	1	60	16.0	7.5
TC1709D-101M	100	0.081	2	63	17.0	9.0
TC1708D-221M	220	0.190	1	162	16.5	8.0
TC2212D-220M	22	0.014	5	15	21.5	11.5
TC2111D-290M	29	0.020	4	20	21.0	11.0
TC2111D-350M	35	0.026	3	28	20.5	10.5

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TC2010D-580M	58	0.061	2	45	20.0	10.0
TC2113D-900M	90	0.044	3	52.5	20.5	12.5
TC2010D-111M	110	0.069	2	79	19.5	10.0
TC1009D-131M	130	0.146	1	116	19.0	9.0
TC2111D-471M	470	0.286	1	310	21.0	11.0
TC2411D-250M	25	0.016	5	18	24.0	10.5
TC2410D-320M	32	0.021	4	24	23.5	10.0
TC2310D-430M	43	0.030	3	30	23.0	9.5
TC2209D-650M	65	0.055	2	55	22.0	9.0
TC2411D-111M	110	0.042	4	56	23.5	11.0
TC2311D-131M	130	0.055	3	77	23.0	10.5
TC2208D-151M	150	0.159	1	137	21.5	7.5
TC2310D-231M	230	0.108	2	148	22.5	9.5
TC2209D-501M	500	0.300	1	355	22.0	9.0
TC2712D-500M	50	0.022	5.0	33	26.5	12.0
TC2712D-600M	60	0.030	4.0	42	26.5	11.5
TC2611D-750M	75	0.039	3.0	54	25.5	11.0
TC2511D-820M	82	0.042	3.0	60	24.5	10.5
TC2713D-101M	100	0.033	5.0	53	26.5	12.5
TC2510D-111M	110	0.074	2.0	90	25.0	10.0
TC2714D-151M	150	0.042	5.0	68	27.0	13.5
TC2713D-221M	220	0.059	4.0	105	26.5	13.0
TC2612D-271M	270	0.081	3.0	140	26.0	12.0
TC2511D-321M	320	0.131	2.0	193	25.0	10.5
TC2511D-431M	430	0.150	2.0	246	25.0	11.0
TC2511D-961M	960	0.438	1.0	625	25.0	11.0
TC3016D-900M	90	0.034	5.0	54	29.5	15.5
TC2815D-141M	140	0.064	3.0	98	28.0	14.5
TC2814D-201M	200	0.114	2.0	154	28.0	14.0
TC3017D-321M	320	0.068	5.0	120	29.5	17.0
TC2814D-451M	450	0.174	2.0	280	28.0	14.0
TC2713D-471M	470	0.354	1.0	398	26.5	13.0

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PART NO	L(μH) At IDC=0A	DCR (mΩ)max	Imax (A)	L(μH) At IDC max	A (mm max)	B (mm max)
TC2916D-471M	470	0.118	3.0	225	28.5	15.5
TC2814D-182M	1800	0.680	1.0	1130	27.5	14.0
TC3116D-820M	82	0.033	5.0	52	31.0	15.5
TC3014D-101M	100	0.042	4.0	69	29.5	13.5
TC2913D-131M	130	0.061	3.0	96	29.0	13.0
TC2912D-221M	220	0.121	2.0	170	28.5	12.0
TC3016D-301M	300	0.064	5.0	120	30.0	15.5
TC3015D-391M	390	0.088	4.0	165	29.5	15.0
TC2812D-471M	470	0.342	1.0	400	27.5	11.5
TC2914D-501M	500	0.124	3.0	242	29.0	14.0
TC2914D-781M	780	0.225	2.0	428	28.5	13.5
TC2913D-132M	1300	0.585	1.0	933	28.5	12.5
TC3620D-300M	30	0.009	10.0	21	36.0	19.5
TC3620D-350M	35	0.010	10.0	25	36.0	19.5
TC3418D-560M	56	0.020	7.0	41.5	34.0	18.0
TC3418D-680M	68	0.021	7.0	46	34.0	18.0
TC3418D-820M	82	0.023	7.0	53	34.0	18.0
TC3417D-101M	100	0.036	5.0	75	33.5	17.0
TC3317D-151M	150	0.053	4.0	110	32.5	16.5
TC3216D-201M	200	0.078	3.0	157	32.0	16.0
TC3216D-301M	300	0.142	2.0	250	31.5	15.5
TC3317D-851M	850	0.211	2.0	567	32.5	16.5
TC4220D-750M	75	0.014	10.0	43	42.0	19.5
TC4118D-131M	130	0.031	7.0	79	41.0	18.0
TC3917D-201M	200	0.056	5.0	134	39.0	17.0
TC4322D-251M	250	0.027	10.0	105	42.5	21.5
TC4120D-471M	470	0.064	7.0	190	40.5	19.5
TC3919D-681M	680	0.105	5.0	295	39.0	18.5

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