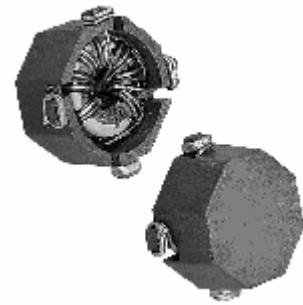


HIGH FREQUENCY POWER INDUCTORS / TC2 TC4 TYPE

FEATURES

- ◆ Low EMI Radiation, Low DC Resistance.
- ◆ Inductor more versatile inductance combination by series or parallel connections .



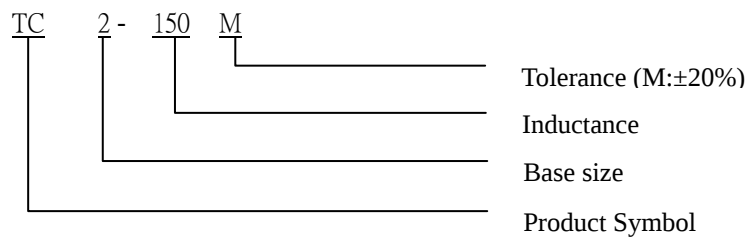
APPLICATIONS

- ◆ Inductor: DC-DC Converters .
- ◆ Noise filtering and filter chokes .
- ◆ LCD panels, DVD players.

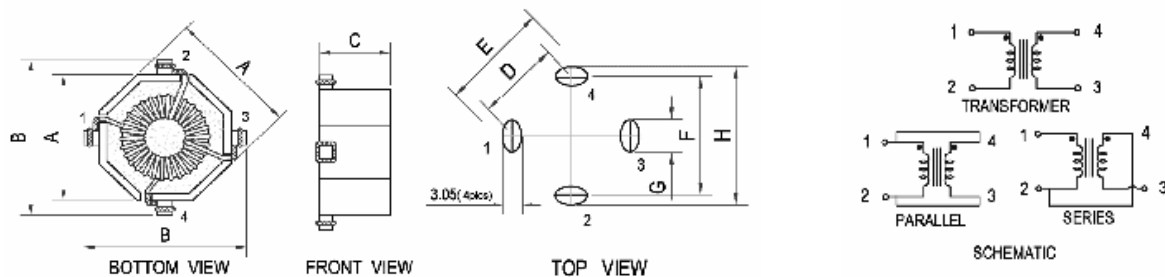
INDUCTANCE AND RATED CURRENT RANGES

- ◆ SMTST2/P PARALLEL&SERIES 0.47~300uH
- ◆ SMTST4/P PARALLEL&SERIES 0.47~300uH

ORDERING CODE



SHAPES



DIMENSIONS (UNIT: mm)

Part No.	A (Max)	B (Max)	C (Max)	D (Ref)	E (Ref)	F (Ref)	G (Ref)	H (Ref)
TC2	9.2	11.8	6.1	7.0	10.7	10.0	3.7	13.0
TC4	11.6	15.0	6.8	8.8	12.5	12.5	4.0	13.0



CORE MASTER ENTERPRISE CO., LTD.

<http://www.coremaster.com.tw>

HIGH FREQUENCY POWER INDUCTORS / TC2 TC4 TYPE

Part No.	PARALLEL				SERIES			
	Open Circuit Inductance uH $\pm 20\%$	Full Load Current Adc	Full Load Inductance uH Min.	RDC ohms Max.	Open Circuit Inductance uH $\pm 20\%$	Full Load Current Adc	Full Load Inductance uH Min.	IDC ohms Max.
TC2-R47M	0.42	6.50	0.29	0.005	1.69	3.25	1.17	0.019
TC2-R68M	0.75	5.50	0.50	0.006	3.01	2.75	1.98	0.024
TC2-1R0M	1.18	4.60	0.76	0.007	4.70	2.30	3.04	0.028
TC2-2R0M	2.30	4.50	1.27	0.010	9.21	2.25	5.07	0.038
TC2-5R0M	4.70	3.00	2.66	0.021	18.80	1.50	10.65	0.084
TC2-8R0M	7.94	2.60	4.18	0.027	31.77	1.30	16.72	0.108
TC2-100M	10.58	2.50	5.18	0.043	42.30	1.25	20.72	0.172
TC2-150M	15.23	1.70	8.53	0.059	60.91	0.85	34.10	0.236
TC2-200M	20.73	1.30	12.36	0.107	82.91	0.65	49.46	0.426
TC2-250M	24.86	1.00	16.09	0.117	99.45	0.50	64.35	0.466
TC2-330M	31.77	1.40	15.90	0.105	127.09	0.70	63.59	0.420
TC2-500M	51.18	0.92	28.79	0.210	204.73	0.46	115.16	0.839
TC2-680M	67.87	0.78	38.71	0.303	271.47	0.39	154.83	1.214
TC2-101M	99.45	0.63	57.45	0.457	397.81	0.32	229.79	1.828
TC2-151M	147.39	0.43	93.46	0.560	589.57	0.22	373.84	2.241
TC2-201M	198.58	0.39	122.94	0.796	794.30	0.20	491.76	3.184
TC2-301M	300.8	0.38	169.06	1.231	1203.20	0.19	676.24	4.929



CORE MASTER ENTERPRISE CO., LTD.

<http://www.coremaster.com.tw>

HIGH FREQUENCY POWER INDUCTORS / TC2 TC4 TYPE

Part No.	PARALLEL				SERIES			
	Open Circuit Inductance uH $\pm 20\%$	Full Load Current Adc	Full Load Inductance uH Min.	RDC ohms Max.	Open Circuit Inductance uH $\pm 20\%$	Full Load Current Adc	Full Load Inductance uH Min.	IDC ohms Max.
TC4-R47M	0.44	7.00	0.32	0.004	1.76	3.50	1.29	0.016
TC4-R68M	0.78	6.00	0.55	0.005	3.14	3.00	2.21	0.020
TC4-1R0M	1.23	5.00	0.85	0.006	4.90	2.50	3.41	0.024
TC4-2R0M	1.76	4.90	1.06	0.007	7.06	2.45	4.24	0.028
TC4-5R0M	4.90	4.40	2.59	0.014	19.60	2.20	10.37	0.056
TC4-8R0M	8.28	3.50	4.29	0.018	33.12	1.75	17.14	0.072
TC4-100M	9.60	3.40	4.82	0.019	38.42	1.70	19.28	0.078
TC4-150M	14.16	3.00	6.76	0.024	56.64	1.50	27.03	0.096
TC4-200M	19.60	2.10	10.68	0.055	78.40	1.05	42.73	0.220
TC4-250M	25.92	2.00	13.32	0.063	103.68	1.00	53.27	0.253
TC4-330M	33.12	1.80	16.82	0.072	132.50	0.90	67.27	0.287
TC4-500M	50.18	1.50	25.03	0.111	200.70	0.75	100.11	0.443
TC4-680M	67.08	1.20	35.29	0.157	268.32	0.60	141.15	0.630
TC4-101M	99.23	0.92	54.56	0.302	396.90	0.46	218.25	1.210
TC4-151M	148.23	0.82	77.17	0.372	592.90	0.41	308.69	1.488
TC4-201M	200.70	0.64	111.08	0.545	802.82	0.32	444.32	2.180
TC4-301M	298.12	0.62	147.92	0.672	1192.46	0.31	591.66	2.687



CORE MASTER ENTERPRISE CO., LTD.

<http://www.coremaster.com.tw>