



**MSR
Electronics**



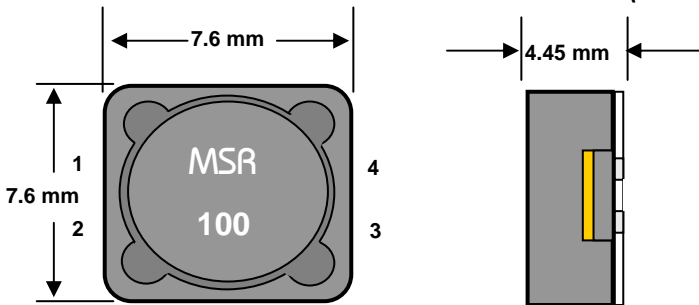
RoHS

Compliant: Contact
Factory for Copy of
Test Report



SHIELDED SMD INDUCTORS/TRANSFORMERS

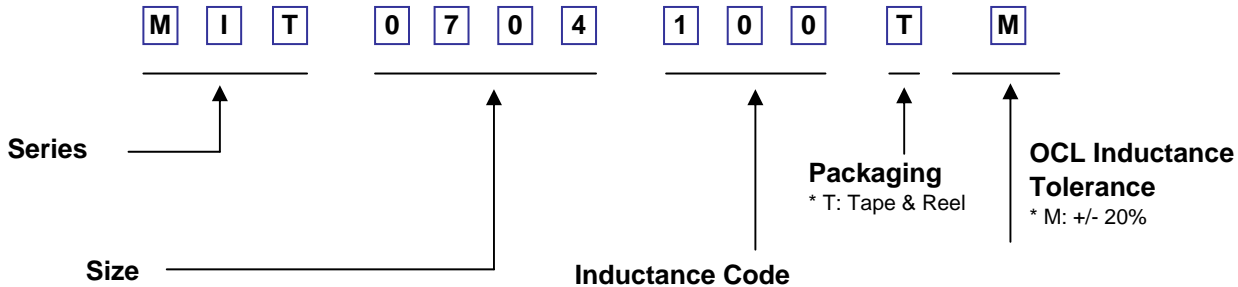
MIT SERIES (Shielded)



FEATURES:

- Solder Heat Resistance: 240 *C, 30 seconds
- Dimensions = mm MAX
- Temp Rise = 40 *C @ Irms
- Operating Temp = -40 to +125 *C Max
- Spec Ratings are at 20 *C
- Dual Windings: Series or Parallel
- OCL = x @ 100KHz, 0.25 Vrms, 0.0 Adc
- Turns Ratio = (1-2):(3-4) 1:1
- Hipot = 200 Vac between windings

PART NUMBER SYSTEM

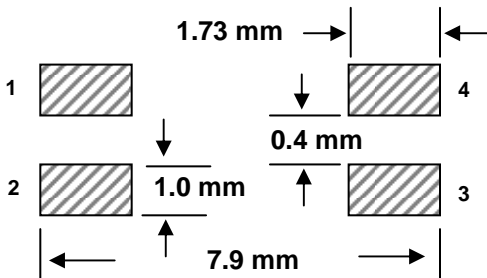


Part Number	Inductance Rating (uH)	Parallel Ratings (1,2 - 4,2)				Series Ratings (1-4) tie (2-3)				V/ u-Sec P or S
		OCL (uH)	Irms (A)	Isat (A)	DCR Ohms	OCL (uH)	Irms (A)	Isat (A)	DCR Ohms	
MIT0704-R33TM	0.33	0.294	6.20	18.4	0.0074	1.176	3.100	9.18	0.0295	1.71/3.42
MIT0704-1R0TM	1.00	0.952	5.33	10.2	0.0100	3.808	2.660	5.10	0.0400	3.08/6.16
MIT0704-1R5TM	1.50	1.422	4.96	8.35	0.0115	5.688	2.480	4.17	0.0461	3.76/7.52
MIT0704-2R2TM	2.20	1.986	4.66	7.06	0.0130	7.944	2.330	3.53	0.0521	4.45/8.90
MIT0704-3R3TM	3.30	3.396	3.94	5.40	0.0183	13.58	1.970	2.70	0.0732	5.81/11.6
MIT0704-4R7TM	4.70	5.182	3.34	4.37	0.0254	20.73	1.670	2.19	0.1020	7.18/14.4
MIT0704-6R8TM	6.80	7.344	2.60	3.67	0.0418	29.38	1.300	1.84	0.1670	8.55/17.1
MIT0704-8R2TM	8.20	8.566	2.53	3.40	0.0441	34.26	1.270	1.70	0.1770	9.23/18.5
MIT0704-100TM	10.0	9.882	2.41	3.17	0.0489	39.53	1.200	1.58	0.1960	9.92/19.8
MIT0704-150TM	15.0	16.09	2.11	2.48	0.0637	64.36	1.050	1.24	0.2550	12.7/25.4
MIT0704-220TM	22.0	21.73	1.75	2.13	0.0925	86.92	0.874	1.07	0.3710	14.7/29.4
MIT0704-330TM	33.0	33.01	1.41	1.73	0.1430	132.0	0.702	0.87	0.5740	18.1/36.2
MIT0704-470TM	47.0	49.64	1.15	1.41	0.2160	198.6	0.573	0.71	0.8650	22.2/44.4

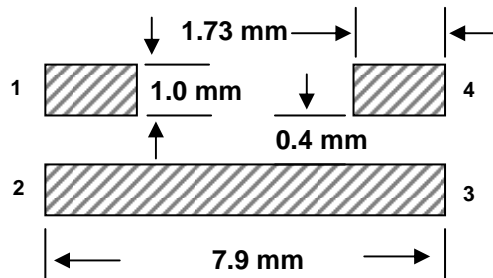
Part Number	Inductance Rating (uH)	Parallel Ratings (1,2 - 4,2)				Series Ratings (1-4) tie (2-3)				V/ u-Sec P or S
		OCL (uH)	Irms (A)	Isat (A)	DCR Ohms	OCL (uH)	Irms (A)	Isat (A)	DCR Ohms	
MIT0704-680TM	68.0	69.67	1.03	1.19	0.2650	278.7	0.517	0.60	1.0600	26.3/52.6
MIT0704-820TM	82.0	80.95	0.91	1.11	0.3450	323.8	0.453	0.55	1.3800	28.4/56.8
MIT0704-101TM	100	101.6	0.86	0.99	0.3830	406.4	0.430	0.49	1.5300	31.8/63.6
MIT0704-151TM	150	150.0	0.69	0.81	0.5910	600.0	0.346	0.41	2.3700	38.6/77.2
MIT0704-221TM	220	227.0	0.56	0.66	0.9070	908.0	0.279	0.33	3.6300	47.5/95.0
MIT0704-331TM	330	335.6	0.45	0.54	1.4100	1342	0.224	0.27	5.6600	57.8/116
MIT0704-471TM	470	465.3	0.40	0.46	1.7400	1861	0.202	0.23	6.9700	68.1/136
MIT0704-681TM	680	671.2	0.33	0.38	2.5800	2685	0.166	0.19	10.300	81.7/163
MIT0704-821TM	820	812.7	0.31	0.35	2.9300	3251	0.156	0.17	11.700	89.9/180
MIT0704-102TM	1000	1009	0.27	0.31	3.8900	4036	0.135	0.16	15.600	100/200

GENERAL PARAMETERS: Layout, Schematic, Packaging

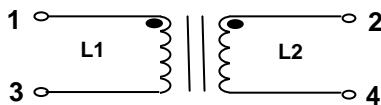
Solder Pad Layout Dual Inductor Mode



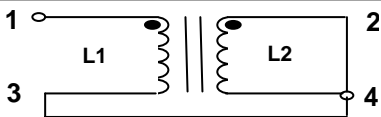
Solder Pad Layout Series Mode



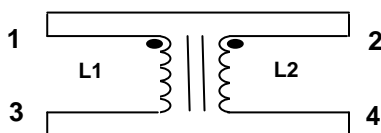
SCHEMATIC - Dual Inductor



SCHEMATIC - Series Mode



SCHEMATIC - Parallel Mode



PACKAGING

