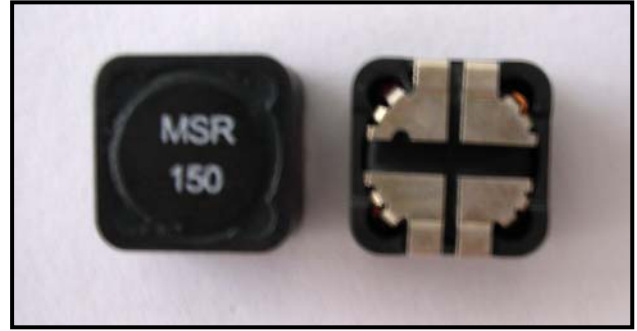




**MSR
Electronics**



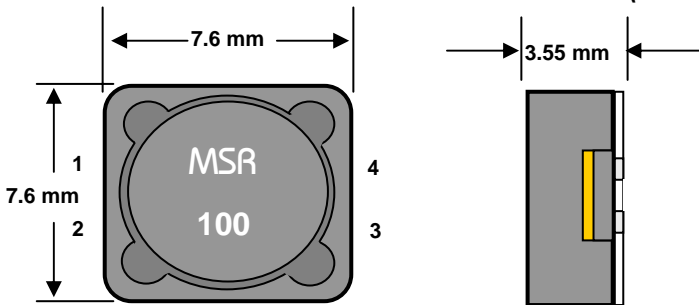
RoHS



Compliant: Contact
Factory for Copy of
Test Report

SHIELDED SMD INDUCTORS/TRANSFORMERS

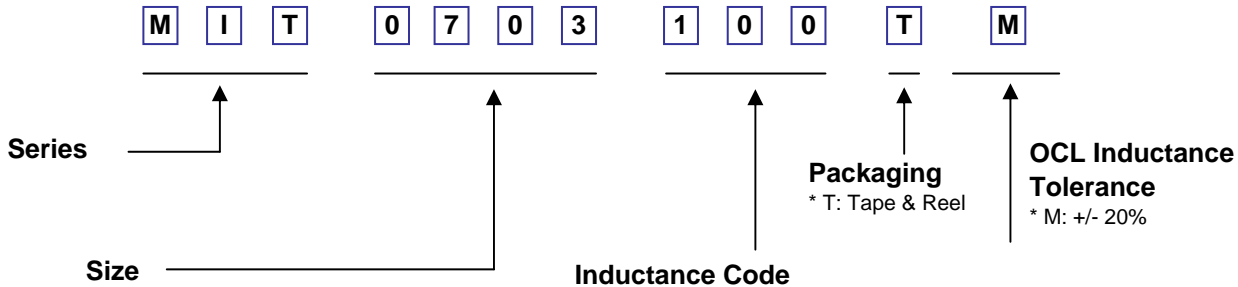
MIT SERIES (Shielded)



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

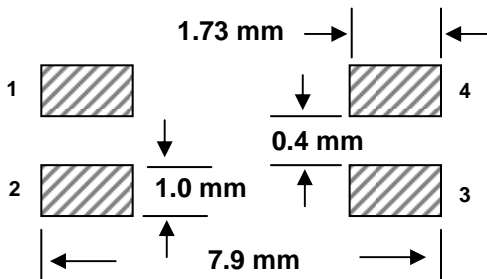


Part Number	Inductance Rating (uH)	Parallel Ratings (1,2 - 4,2)				Series Ratings (1-4) tie (2-3)				V/ u-Sec P or S
		OCL (uH)	Irms (A)	Isat (A)	DCR Ohms	OCL (uH)	Irms (A)	Isat (A)	DCR Ohms	
MIT0703-R33TM	0.33	0.306	6.19	14.4	0.0074	1.224	3.100	7.18	0.0296	1.98/3.96
MIT0703-1R0TM	1.00	0.992	5.25	7.97	0.0103	3.968	2.630	3.99	0.0411	3.56/7.12
MIT0703-1R5TM	1.50	1.482	4.64	6.52	0.0132	5.928	2.320	3.26	0.0547	4.36/8.72
MIT0703-2R2TM	2.20	2.070	4.11	5.52	0.0167	8.280	2.060	2.76	0.0669	5.15/10.3
MIT0703-3R3TM	3.30	3.540	3.31	4.22	0.0259	14.16	1.660	2.11	0.1035	6.73/13.5
MIT0703-4R7TM	4.70	4.422	3.09	3.78	0.0297	17.69	1.550	1.89	0.1188	7.52/15.0
MIT0703-6R8TM	6.80	6.480	2.55	3.12	0.0435	25.92	1.280	1.56	0.1742	9.11/18.2
MIT0703-8R2TM	8.20	8.930	2.19	2.66	0.0592	35.72	1.100	1.33	0.2368	10.7/21.4
MIT0703-100TM	10.0	10.30	2.08	2.47	0.0656	41.20	1.040	1.24	0.2623	11.5/23.0
MIT0703-150TM	15.0	15.01	1.83	2.05	0.0844	60.04	0.916	1.03	0.3390	13.9/27.8
MIT0703-220TM	22.0	22.65	1.62	1.67	0.1070	90.60	0.811	0.83	0.4290	17.0/34.0
MIT0703-330TM	33.0	34.41	1.31	1.35	0.1660	137.6	0.653	0.68	0.6650	21.0/42.0
MIT0703-470TM	47.0	48.62	1.08	1.14	0.2410	194.5	0.542	0.57	0.9650	24.9/49.8

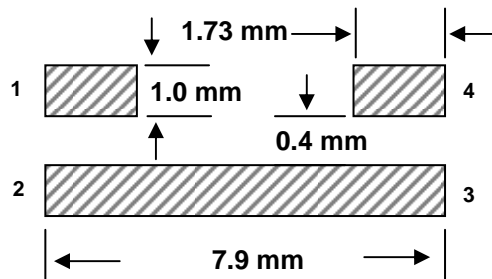
Part Number	Inductance Rating (uH)	Parallel Ratings (1,2 - 4,2)				Series Ratings (1-4) tie (2-3)				V/ u-sec P or S
		OCL (uH)	I _{rms} (A)	I _{sat} (A)	DCR Ohms	OCL (uH)	I _{rms} (A)	I _{sat} (A)	DCR Ohms	
MIT0703-680TM	68.0	68.91	0.89	0.96	0.3580	275.6	0.444	0.48	1.4300	29.7/59.4
MIT0703-820TM	82.0	80.37	0.86	0.89	0.3840	321.5	0.430	0.44	1.5400	32.1/64.2
MIT0703-101TM	100	101.4	0.73	0.79	0.5270	405.6	0.367	0.39	2.1100	36.0/72.0
MIT0703-151TM	150	150.9	0.58	0.65	0.8510	603.6	0.289	0.32	3.4100	44.0/88/0
MIT0703-221TM	220	223.3	0.52	0.53	1.0500	893.2	0.260	0.27	4.2000	53.5/107
MIT0703-331TM	330	325.5	0.42	0.44	1.5900	1302	0.211	0.22	6.3600	64.5/129
MIT0703-471TM	470	465.8	0.35	0.37	2.3600	1863	0.173	0.18	9.4400	77.2/154
MIT0703-681TM	680	676.5	0.29	0.31	3.4700	2706	0.143	0.15	13.880	93.1/186
MIT0703-821TM	820	821.7	0.27	0.28	3.9300	3287	0.134	0.14	15.720	103/206
MIT0703-102TM	1000	995.0	0.26	0.25	4.3400	3980	0.128	0.13	17.360	113/226

GENERAL PARAMETERS: Layout, Schematic, Packaging

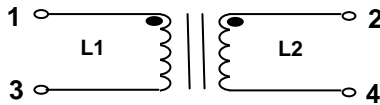
Solder Pad Layout Dual Inductor Mode



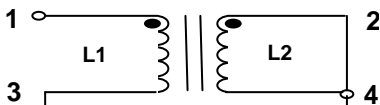
Solder Pad Layout Series Mode



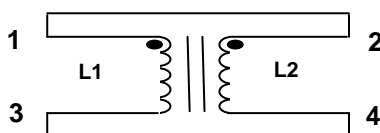
SCHEMATIC - Dual Inductor



SCHEMATIC - Series Mode



SCHEMATIC - Parallel Mode



PACKAGING

