



**MSR
Electronics**

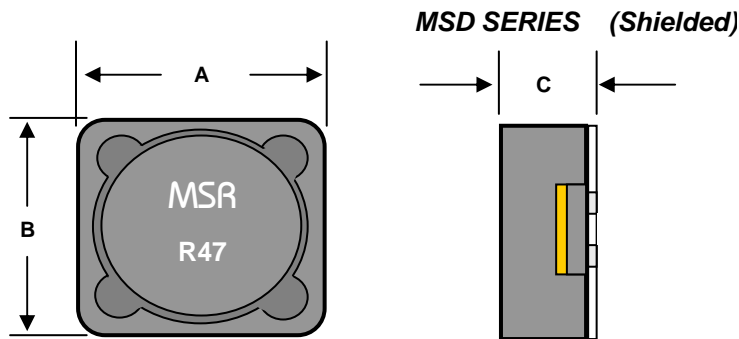


RoHS



Compliant: Contact
Factory for Copy of
Test Report

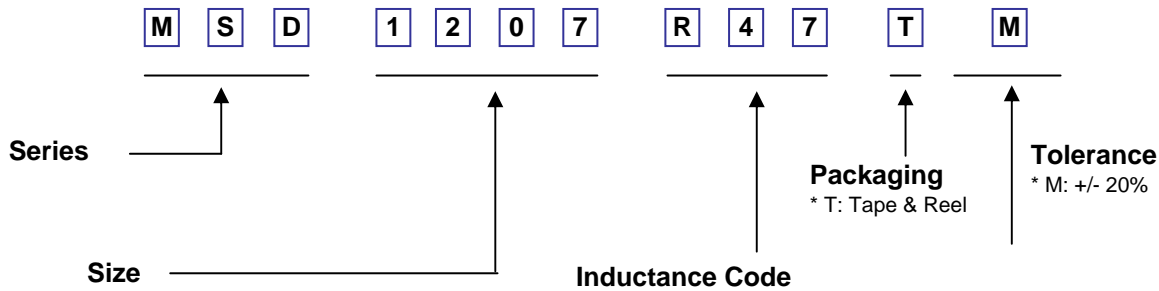
SHIELDED SMD POWER INDUCTORS



FEATURES:

- Solder Heat Resistance: 260 *C @ 10 seconds
- Dimensions (mm)
- High Current Capability
- Temp Rise = 40 *C @ I_{rms}
- L drops 10% @ I_{sat}
- Operating Temp = -25 to +85 *C
- Spec Ratings are at 25 *C

PART NUMBER SYSTEM



Part Number	Inductance L(uH) 10 KHz @ 0.25V	DCR (Ohms) MAX	I rms Amps	I sat Amps	Dimensions (mm)			Qty/ 13" Reel
					A +/- 0.3	B +/- 0.3	C MAX	
MSD1207-R47TM	0.47	0.0030	23.5	26.4	12.5	12.5	8.0	450
MSD1207-R75TM	0.75	0.0042	19.8	21.0	12.5	12.5	8.0	450
MSD1207-1R5TM	1.50	0.0059	14.6	15.3	12.5	12.5	8.0	450
MSD1207-2R2TM	2.20	0.0070	12.3	13.0	12.5	12.5	8.0	450
MSD1207-3R3TM	3.30	0.0079	10.1	10.4	12.5	12.5	8.0	450
MSD1207-4R7TM	4.70	0.0095	8.30	8.60	12.5	12.5	8.0	450
MSD1207-5R2TM	5.20	0.0113	8.00	8.00	12.5	12.5	8.0	450
MSD1207-100TM	10.0	0.0201	6.40	6.40	12.5	12.5	8.0	450
MSD1207-120TM	12.0	0.0232	5.60	5.75	12.5	12.5	8.0	450
MSD1207-150TM	15.0	0.0319	4.98	5.16	12.5	12.5	8.0	450
MSD1207-180TM	18.0	0.0356	4.16	4.72	12.5	12.5	8.0	450
MSD1207-220TM	22.0	0.0410	3.98	4.30	12.5	12.5	8.0	450
MSD1207-270TM	27.0	0.0529	3.75	3.90	12.5	12.5	8.0	450

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					A +/- 0.3	B +/- 0.3	C MAX	Qty/ 13" Reel
MSD1207-330TM	33.0	0.0594	3.40	3.50	12.5	12.5	8.0	450
MSD1207-390TM	39.0	0.0648	3.20	3.21	12.5	12.5	8.0	450
MSD1207-470TM	47.0	0.0900	3.00	3.00	12.5	12.5	8.0	450
MSD1207-560TM	56.0	0.1150	2.66	2.70	12.5	12.5	8.0	450
MSD1207-680TM	68.0	0.1340	2.35	2.42	12.5	12.5	8.0	450
MSD1207-820TM	82.0	0.1460	2.00	2.20	12.5	12.5	8.0	450
MSD1207-101TM	100	0.1560	1.96	2.00	12.5	12.5	8.0	450
MSD1207-121TM	120	0.2210	1.80	1.84	12.5	12.5	8.0	450
MSD1207-151TM	150	0.2460	1.55	1.62	12.5	12.5	8.0	450
MSD1207-181TM	180	0.3240	1.50	1.50	12.5	12.5	8.0	450
MSD1207-221TM	220	0.3670	1.30	1.35	12.5	12.5	8.0	450
MSD1207-271TM	270	0.4250	1.20	1.20	12.5	12.5	8.0	450
MSD1207-331TM	330	0.5600	1.00	1.10	12.5	12.5	8.0	450
MSD1207-391TM	390	0.7610	0.95	1.05	12.5	12.5	8.0	450
MSD1207-471TM	470	0.8550	0.92	0.93	12.5	12.5	8.0	450
MSD1207-561TM	560	0.9360	0.80	0.85	12.5	12.5	8.0	450
MSD1207-681TM	680	1.2960	0.70	0.76	12.5	12.5	8.0	450
MSD1207-821TM	820	1.4040	0.63	0.70	12.5	12.5	8.0	450
MSD1207-102TM	1000	1.6200	0.59	0.63	12.5	12.5	8.0	450

GENERAL PARAMETERS: Layout, Schematic, Packaging

Solder Pad Layout

