



**MSR
Electronics**

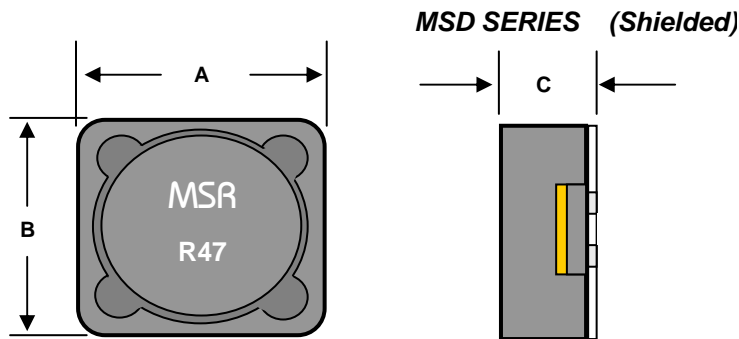


RoHS



Compliant: Contact
Factory for Copy of
Test Report

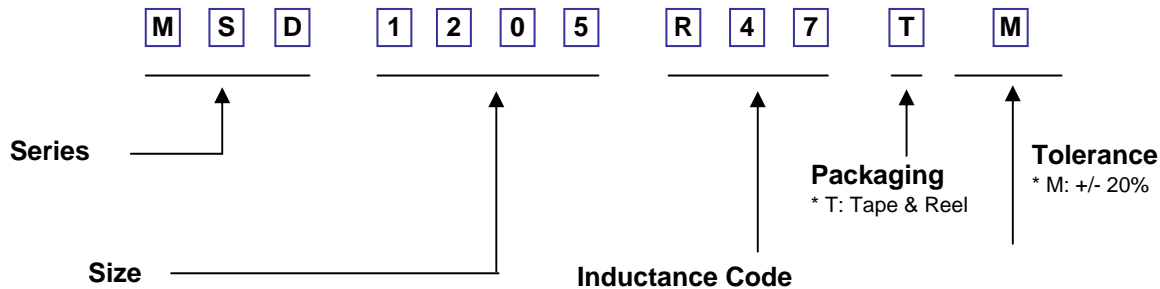
SHIELDED SMD POWER INDUCTORS



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(μH) 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	
MSD1205-R47TM	0.47	0.0030	18.9	20.5	12.5	12.5	6.0	450
MSD1205-R75TM	0.75	0.0042	16.0	16.4	12.5	12.5	6.0	450
MSD1205-1R5TM	1.50	0.0066	11.0	12.6	12.5	12.5	6.0	450
MSD1205-2R2TM	2.20	0.0078	10.2	12.0	12.5	12.5	6.0	450
MSD1205-3R3TM	3.30	0.0088	9.00	10.0	12.5	12.5	6.0	450
MSD1205-4R7TM	4.70	0.0106	8.30	9.00	12.5	12.5	6.0	450
MSD1205-5R2TM	5.20	0.0126	7.80	8.00	12.5	12.5	6.0	450
MSD1205-100TM	10.0	0.0233	5.20	5.40	12.5	12.5	6.0	450
MSD1205-120TM	12.0	0.0258	5.10	5.10	12.5	12.5	6.0	450
MSD1205-150TM	15.0	0.0354	4.10	4.30	12.5	12.5	6.0	450
MSD1205-180TM	18.0	0.0396	3.20	3.50	12.5	12.5	6.0	450
MSD1205-220TM	22.0	0.0456	3.10	3.30	12.5	12.5	6.0	450
MSD1205-270TM	27.0	0.0588	2.90	3.10	12.5	12.5	6.0	450

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					A +/- 0.3	B +/- 0.3	C MAX	Qty/ 13" Reel
MSD1205-330TM	33.0	0.0660	2.80	3.00	12.5	12.5	6.0	450
MSD1205-390TM	39.0	0.0720	2.60	2.70	12.5	12.5	6.0	450
MSD1205-470TM	47.0	0.0995	2.50	2.60	12.5	12.5	6.0	450
MSD1205-560TM	56.0	0.1280	2.20	2.30	12.5	12.5	6.0	450
MSD1205-680TM	68.0	0.1490	1.95	2.10	12.5	12.5	6.0	450
MSD1205-820TM	82.0	0.1620	1.90	2.00	12.5	12.5	6.0	450
MSD1205-101TM	100	0.1740	1.75	1.80	12.5	12.5	6.0	450
MSD1205-121TM	120	0.2460	1.50	1.60	12.5	12.5	6.0	450
MSD1205-151TM	150	0.2740	1.45	1.50	12.5	12.5	6.0	450
MSD1205-181TM	180	0.3590	1.20	1.20	12.5	12.5	6.0	450
MSD1205-221TM	220	0.4080	1.10	1.15	12.5	12.5	6.0	450
MSD1205-271TM	270	0.4730	0.95	1.05	12.5	12.5	6.0	450
MSD1205-331TM	330	0.6230	0.90	1.00	12.5	12.5	6.0	450
MSD1205-391TM	390	0.8460	0.82	0.85	12.5	12.5	6.0	450
MSD1205-471TM	470	0.9490	0.77	0.78	12.5	12.5	6.0	450
MSD1205-561TM	560	1.0390	0.70	0.71	12.5	12.5	6.0	450
MSD1205-681TM	680	1.4390	0.64	0.67	12.5	12.5	6.0	450

GENERAL PARAMETERS: Layout, Schematic, Packaging

Solder Pad Layout

