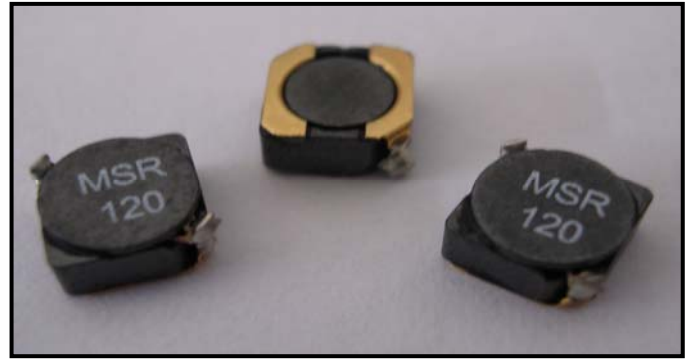




**MSR
Electronics**



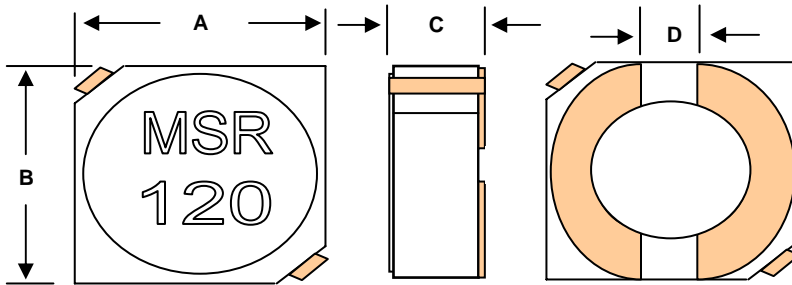
SHIELDED SMD POWER INDUCTORS

RoHS



Compliant: Contact
Factory for Copy of
Test Report

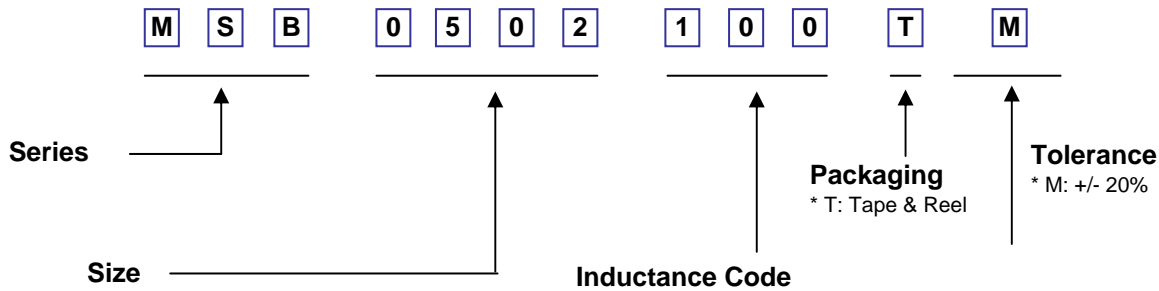
MSB SERIES (Shielded)



FEATURES:

- Solder Heat Resistance: 260 °C @ 30 seconds
- Dimensions (mm)
- High Current Capability
- Temp Rise = 40 °C @ Irms
- L drops 10% @ Isat
- Operating Temp = -25 to +85 °C
- Spec Ratings are at 25 °C

PART NUMBER SYSTEM



Part Number	Inductance L(uH) 10 KHz @ 0.10V	DCR (Ohms) MAX	I rms (Amps)	Dimensions (mm)			
				A +/- 0.5	B +/- 0.5	C MAX	D REF
MSB0502-4R1TM	4.1	0.057	1.95	5.6	5.6	2.0	1.8
MSB0502-5R4TM	5.4	0.076	1.60	5.6	5.6	2.0	1.8
MSB0502-6R2TM	6.2	0.096	1.40	5.6	5.6	2.0	1.8
MSB0502-8R9TM	8.9	0.118	1.25	5.6	5.6	2.0	1.8
MSB0502-100TM	10	0.124	1.20	5.6	5.6	2.0	1.8
MSB0502-120TM	12	0.153	1.10	5.6	5.6	2.0	1.8
MSB0502-150TM	15	0.196	0.97	5.6	5.6	2.0	1.8
MSB0502-180TM	18	0.210	0.85	5.6	5.6	2.0	1.8
MSB0502-220TM	22	0.290	0.80	5.6	5.6	2.0	1.8
MSB0502-270TM	27	0.330	0.75	5.6	5.6	2.0	1.8
MSB0502-330TM	33	0.386	0.65	5.6	5.6	2.0	1.8
MSB0502-390TM	39	0.520	0.57	5.6	5.6	2.0	1.8
MSB0502-470TM	47	0.595	0.54	5.6	5.6	2.0	1.8

Part Number	Inductance L(uH) 10 KHz @ 0.10V	DCR (Ohms) MAX	I rms (Amps)	Dimensions (mm)			
				A +/- 0.5	B +/- 0.5	C MAX	D REF
MSB0502-560TM	56	0.665	0.50	5.6	5.6	2.0	1.8
MSB0502-680TM	68	0.840	0.43	5.6	5.6	2.0	1.8
MSB0502-820TM	82	0.978	0.42	5.6	5.6	2.0	1.8
MSB0502-101TM	100	1.200	0.36	5.6	5.6	2.0	1.8

GENERAL PARAMETERS: Layout, Schematic, Packaging

Solder Pad Layout

