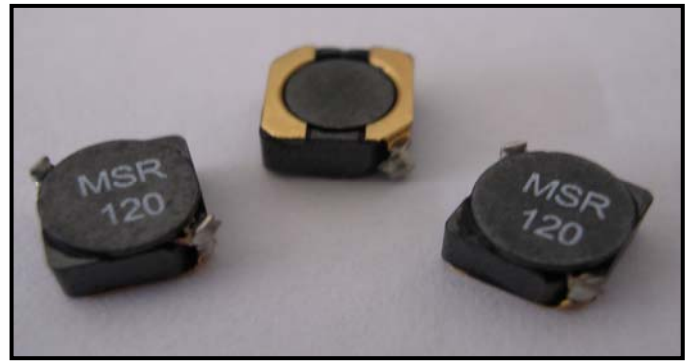




**MSR
Electronics**



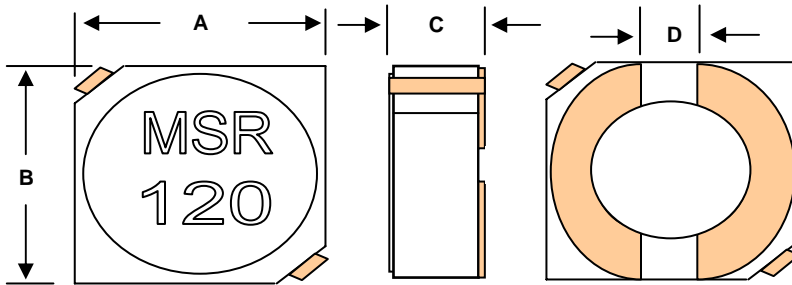
SHIELDED SMD POWER INDUCTORS

RoHS



Compliant: Contact
Factory for Copy of
Test Report

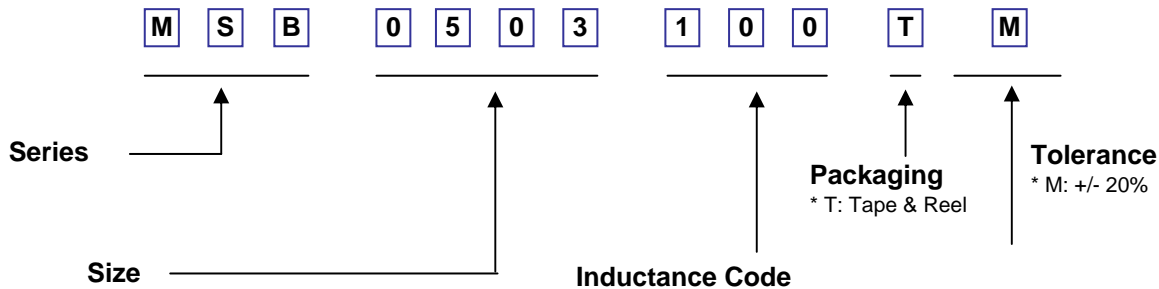
MSB SERIES (Shielded)



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

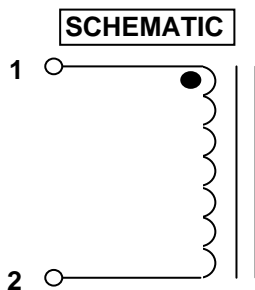
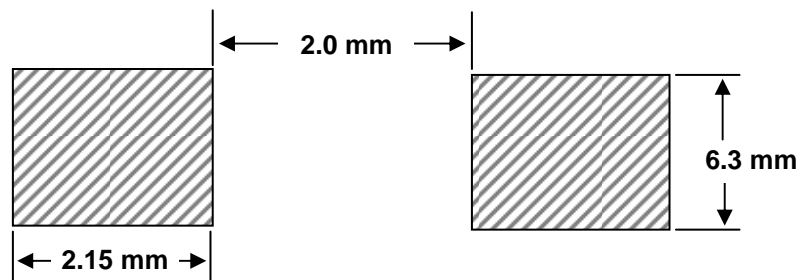


Part Number	Inductance L(uH) 10 KHz @ 0.10V	DCR (Ohms) MAX	I rms (Amps)	Dimensions (mm)			
				A +/- 0.5	B +/- 0.5	C MAX	D REF
MSB0503-2R6TM	2.6	0.018	2.60	5.6	5.6	3.0	1.8
MSB0503-3R0TM	3.0	0.024	2.40	5.6	5.6	3.0	1.8
MSB0503-4R2TM	4.2	0.031	2.20	5.6	5.6	3.0	1.8
MSB0503-5R3TM	5.3	0.038	1.90	5.6	5.6	3.0	1.8
MSB0503-6R2TM	6.2	0.045	1.80	5.6	5.6	3.0	1.8
MSB0503-8R2TM	8.2	0.053	1.60	5.6	5.6	3.0	1.8
MSB0503-100TM	10	0.065	1.30	5.6	5.6	3.0	1.8
MSB0503-120TM	12	0.076	1.20	5.6	5.6	3.0	1.8
MSB0503-150TM	15	0.103	1.10	5.6	5.6	3.0	1.8
MSB0503-180TM	18	0.110	1.00	5.6	5.6	3.0	1.8
MSB0503-220TM	22	0.122	0.90	5.6	5.6	3.0	1.8
MSB0503-270TM	27	0.175	0.85	5.6	5.6	3.0	1.8
MSB0503-330TM	33	0.189	0.75	5.6	5.6	3.0	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
MSB0503-390TM	39	0.212	0.70	5.6	5.6	3.0	1.8
MSB0503-470TM	47	0.260	0.62	5.6	5.6	3.0	1.8
MSB0503-560TM	56	0.305	0.58	5.6	5.6	3.0	1.8
MSB0503-680TM	68	0.355	0.52	5.6	5.6	3.0	1.8
MSB0503-820TM	82	0.463	0.46	5.6	5.6	3.0	1.8
MSB0503-101TM	100	0.520	0.42	5.6	5.6	3.0	1.8

GENERAL PARAMETERS: Layout, Schematic, Packaging

Solder Pad Layout



PACKAGING

