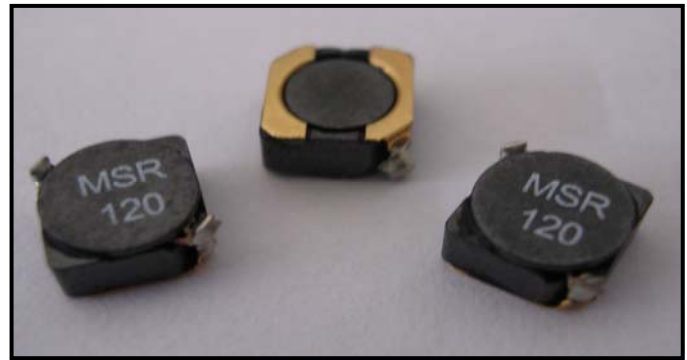




**MSR  
Electronics**



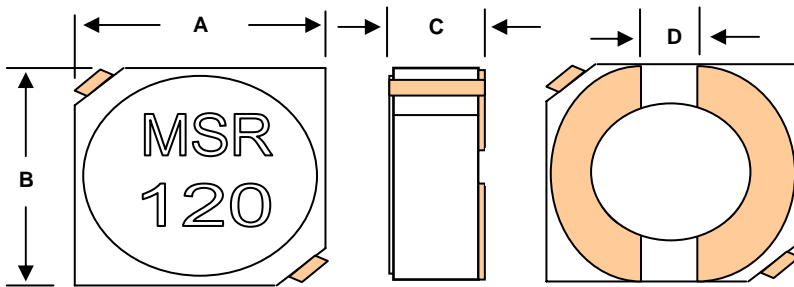
## SHIELDED SMD POWER INDUCTORS

**RoHS**



Compliant: Contact  
Factory for Copy of  
Test Report

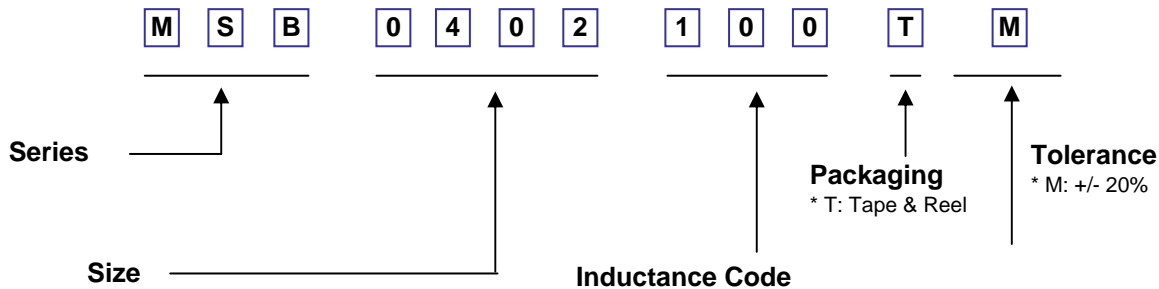
### MSB SERIES (Shielded)



#### 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

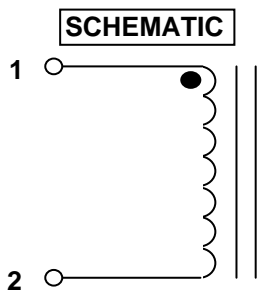
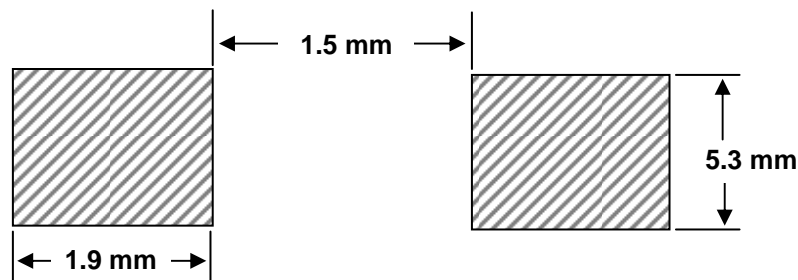


Part Number	Inductance L(uH) 10 KHz @ 0.10V	DCR (Ohms) MAX	I rms ( Amps)	Dimensions (mm)			
				A +/- 0.5	B +/- 0.5	C MAX	D REF
MSB0402-100TM	10	0.20	0.61	4.8	4.8	2.0	1.6
MSB0402-120TM	12	0.21	0.55	4.8	4.8	2.0	1.6
MSB0402-150TM	15	0.24	0.50	4.8	4.8	2.0	1.6
MSB0402-180TM	18	0.34	0.48	4.8	4.8	2.0	1.6
MSB0402-220TM	22	0.40	0.41	4.8	4.8	2.0	1.6
MSB0402-270TM	27	0.44	0.35	4.8	4.8	2.0	1.6
MSB0402-330TM	33	0.69	0.32	4.8	4.8	2.0	1.6
MSB0402-390TM	39	0.71	0.30	4.8	4.8	2.0	1.6
MSB0402-470TM	47	0.93	0.28	4.8	4.8	2.0	1.6
MSB0402-560TM	56	1.06	0.26	4.8	4.8	2.0	1.6
MSB0402-680TM	68	1.30	0.24	4.8	4.8	2.0	1.6
MSB0402-820TM	82	1.56	0.22	4.8	4.8	2.0	1.6
MSB0402-101TM	100	1.73	0.20	4.8	4.8	2.0	1.6

Part Number	Inductance L( $\mu$ H) 10 KHz @ 0.10V	DCR (Ohms) MAX	I rms ( Amps)	Dimensions (mm)			
				A +/- 0.5	B +/- 0.5	C MAX	D REF
MSB0402-121TM	120	2.35	0.18	4.8	4.8	2.0	1.6
MSB0402-151TM	150	2.49	0.15	4.8	4.8	2.0	1.6
MSB0402-181TM	180	2.54	0.14	4.8	4.8	2.0	1.6

## GENERAL PARAMETERS: Layout, Schematic, Packaging

### Solder Pad Layout



### PACKAGING

