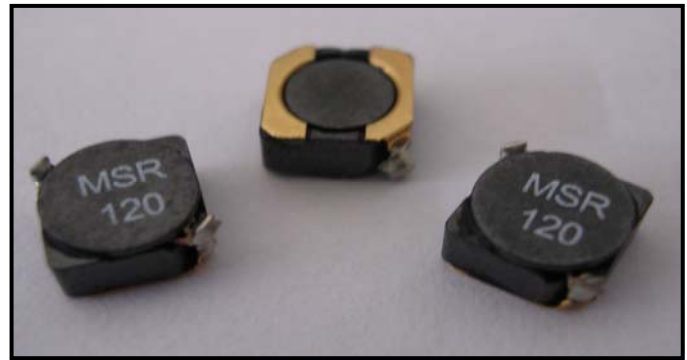




**MSR  
Electronics**



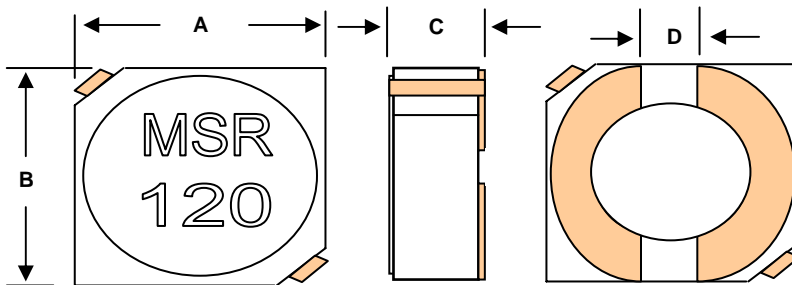
## SHIELDED SMD POWER INDUCTORS

**RoHS**

Compliant: Contact  
Factory for Copy of  
Test Report



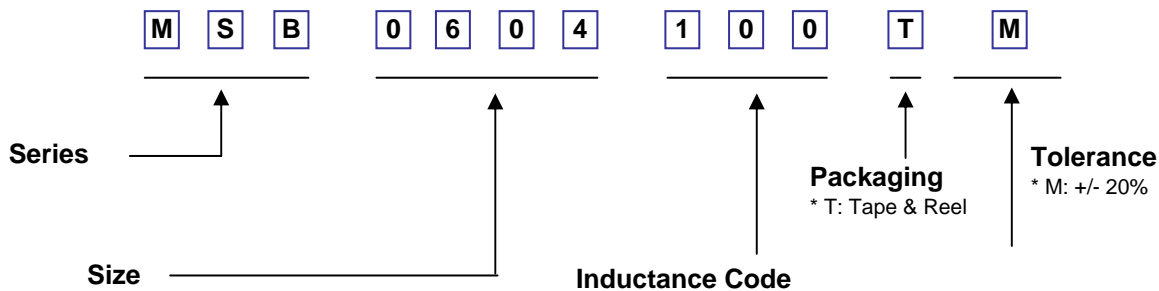
### MSB SERIES (Shielded)



#### 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
MSB0604-3R3TM	3.3	0.020	3.50	6.6	6.6	4.0	2.2
MSB0604-5R0TM	5.0	0.024	2.90	6.6	6.6	4.0	2.2
MSB0604-6R2TM	6.2	0.027	2.50	6.6	6.6	4.0	2.2
MSB0604-7R4TM	7.4	0.031	2.30	6.6	6.6	4.0	2.2
MSB0604-8R7TM	8.7	0.034	2.20	6.6	6.6	4.0	2.2
MSB0604-100TM	10	0.038	2.00	6.6	6.6	4.0	2.2
MSB0604-120TM	12	0.053	1.70	6.6	6.6	4.0	2.2
MSB0604-150TM	15	0.057	1.60	6.6	6.6	4.0	2.2
MSB0604-180TM	18	0.092	1.50	6.6	6.6	4.0	2.2
MSB0604-220TM	22	0.096	1.30	6.6	6.6	4.0	2.2
MSB0604-270TM	27	0.110	1.20	6.6	6.6	4.0	2.2
MSB0604-330TM	33	0.124	1.10	6.6	6.6	4.0	2.2
MSB0604-390TM	39	0.138	1.00	6.6	6.6	4.0	2.2

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
MSB0604-470TM	47	0.155	0.95	6.6	6.6	4.0	2.2
MSB0604-560TM	56	0.202	0.85	6.6	6.6	4.0	2.2
MSB0604-680TM	68	0.234	0.75	6.6	6.6	4.0	2.2
MSB0604-820TM	82	0.325	0.70	6.6	6.6	4.0	2.2
MSB0604-101TM	100	0.359	0.65	6.6	6.6	4.0	2.2

## GENERAL PARAMETERS: Layout, Schematic, Packaging

### Solder Pad Layout

