

**TSB52LC Type**

Frequency Range: 0.1 - 1MHz  
 Inductance Range: 1.2 - 100µH

**Features**

- \* Low profile (2.0mm max.)
- \* Magnetically shielded
- \* Available on tape and reel for auto-mounting
- \* Suitable for reflow soldering



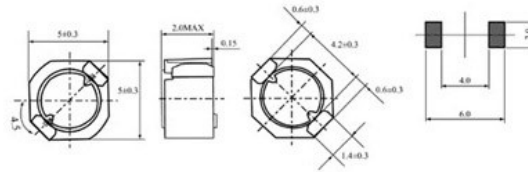
**Standard Parts Selection Guide**

\* Inductance is measured by LCR-meter 4284A (HP) or equivalent.  
 \* Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C).

**Construction**

Unit : (m/m)

**Recommended Patterns**



**Electrical Specification**

Unit:(m/m)

Part number	Lo (µH)	Inductance Tolerance %	DC Resistance Spec (m Ω) max.	Rated DC Current	
				L/L=30% (A) max.	T=40°C (A) max.
TSB52LC-1R2M	1.2	±20%	44	2.15	2.29
TSB52LC-2R2M	2.2	±20%	59	1.63	1.64
TSB52LC-3R5M	3.5	±20%	73	1.34	1.45
TSB52LC-4R7M	4.7	±20%	87	1.14	1.22
TSB52LC-6R8M	6.8	±20%	105	0.95	1.10
TSB52LC-100M	10	±20%	150	0.76	0.87
TSB52LC-150M	15	±20%	210	0.63	0.72
TSB52LC-220M	22	±20%	275	0.56	0.66
TSB52LC-330M	33	±20%	455	0.44	0.48
TSB52LC-470M	47	±20%	730	0.36	0.35
TSB52LC-680M	68	±20%	935	0.30	0.33
TSB52LC-101M	100	±20%	1500	0.23	0.24

TEST FREQ (INDUCTANCE): 100KHz

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