

TSB62CB TYPE

Frequency Range: 10kHz - 1MHz
 Inductance Range: 1 - 100µH

FEATURES

- * Low profile (2.5mm max.)
- * Ideal for a variety of DC-DC converter inductor applications
- * Magnetically shielded
- * Available on tape and reel for auto-mounting
- * Suitable for reflow soldering

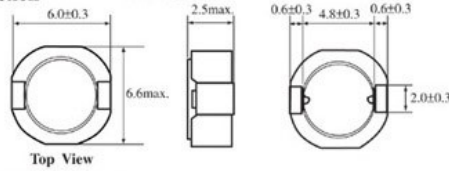


STANDARD PARTS SELECTION GUIDE

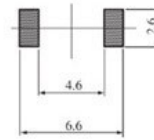
- * Inductance is measured by LCR-meter 4284A (HP) or equivalent.
- * Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C).

Construction

Unit : (m/m)



Recommended Patterns



Electrical Specification

| Parts No. | L ₀ (µH) | Inductance Tolerance % | DC Resistance (mΩ) typ. | Inductance Decrease Current (A) max. | Temperature Rise Current (A) max. |
|--------------|------------------------|------------------------------|-------------------------------|--|---|
| TSB62CB-1R0M | 1.0 | ±20% | 11 | 3.48 | 3.84 |
| TSB62CB-1R5M | 1.5 | ±20% | 14 | 2.83 | 3.40 |
| TSB62CB-2R0M | 2.0 | ±20% | 17 | 2.44 | 3.10 |
| TSB62CB-3R3M | 3.3 | ±20% | 24 | 1.89 | 2.55 |
| TSB62CB-4R3M | 4.3 | ±20% | 31 | 1.65 | 2.23 |
| TSB62CB-6R2M | 6.2 | ±20% | 43 | 1.37 | 1.85 |
| TSB62CB-100M | 10 | ±20% | 64 | 1.07 | 1.48 |
| TSB62CB-120M | 12 | ±20% | 75 | 0.97 | 1.35 |
| TSB62CB-150M | 15 | ±20% | 87 | 0.87 | 1.24 |
| TSB62CB-180M | 18 | ±20% | 110 | 0.79 | 1.11 |
| TSB62CB-220M | 22 | ±20% | 130 | 0.71 | 1.00 |
| TSB62CB-270M | 27 | ±20% | 170 | 0.64 | 0.86 |
| TSB62CB-330M | 33 | ±20% | 195 | 0.58 | 0.80 |
| TSB62CB-390M | 39 | ±20% | 245 | 0.53 | 0.70 |
| TSB62CB-470M | 47 | ±20% | 290 | 0.48 | 0.63 |
| TSB62CB-560M | 56 | ±20% | 345 | 0.44 | 0.58 |
| TSB62CB-680M | 68 | ±20% | 400 | 0.40 | 0.53 |
| TSB62CB-820M | 82 | ±20% | 465 | 0.36 | 0.49 |
| TSB62CB-101M | 100 | ±20% | 650 | 0.33 | 0.43 |

TEST FREQ (INDUCTANCE): 100KHz

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