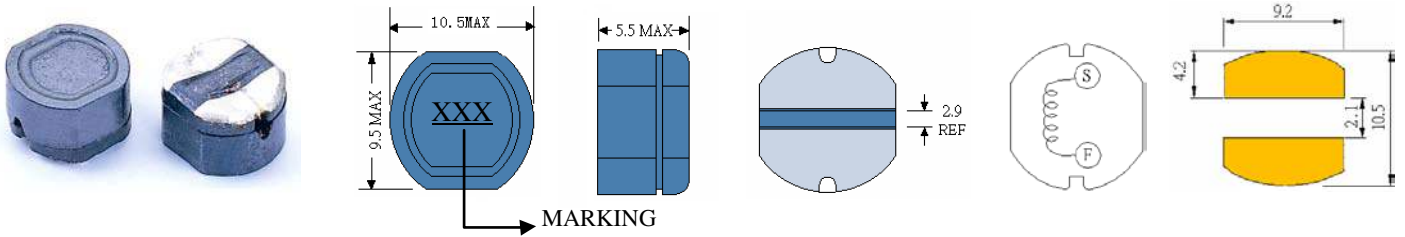


SCR105B

SMD POWER INDUCTORS



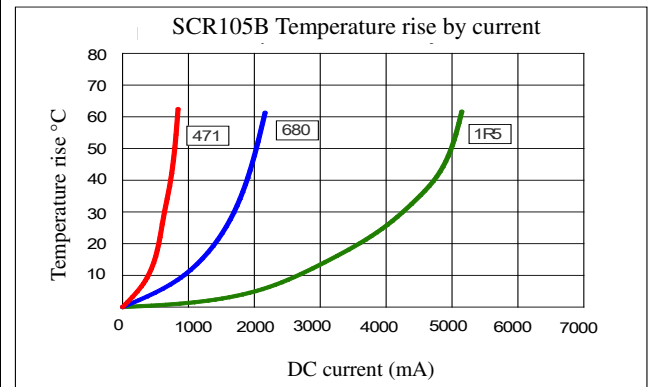
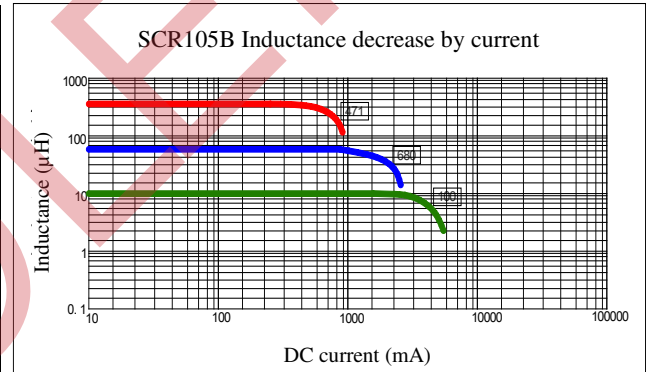
• Features

1. Magnetically shielded construction
2. Excellent Power Density
3. Engineered to Provide High Efficiency

ELECTRICAL CHARACTERISTICS



| Part Number | Inductance (uH) (1) | Test Frequency | DC Resistance (Ω MAX) (2) | Saturation Current ⁽³⁾ (A) | Temperature Current ⁽⁴⁾ (A) |
|-------------|------------------------|----------------|------------------------------|--|---|
| SCR105B-100 | 10 | 7.96KHZ | 0.06 | 2.06 | 4.40 |
| SCR105B-120 | 12 | 7.96KHZ | 0.07 | 1.94 | 4.00 |
| SCR105B-150 | 15 | 7.96KHZ | 0.07 | 1.72 | 3.60 |
| SCR105B-180 | 18 | 7.96KHZ | 0.08 | 1.58 | 3.24 |
| SCR105B-220 | 22 | 7.96KHZ | 0.08 | 1.42 | 2.92 |
| SCR105B-270 | 27 | 7.96KHZ | 0.10 | 1.32 | 2.63 |
| SCR105B-330 | 33 | 2.52KHZ | 0.11 | 1.16 | 2.37 |
| SCR105B-390 | 39 | 2.52KHZ | 0.12 | 1.10 | 2.14 |
| SCR105B-470 | 47 | 2.52KHZ | 0.14 | 1.00 | 1.93 |
| SCR105B-560 | 56 | 2.52KHZ | 0.19 | 0.93 | 1.74 |
| SCR105B-680 | 68 | 2.52KHZ | 0.21 | 0.85 | 1.66 |
| SCR105B-820 | 82 | 2.52KHZ | 0.28 | 0.79 | 1.57 |
| SCR105B-101 | 100 | 1KHZ | 0.34 | 0.72 | 1.42 |
| SCR105B-121 | 120 | 1KHZ | 0.37 | 0.63 | 1.28 |
| SCR105B-151 | 150 | 1KHZ | 0.51 | 0.55 | 1.16 |
| SCR105B-181 | 180 | 1KHZ | 0.57 | 0.50 | 1.05 |
| SCR105B-221 | 220 | 1KHZ | 0.78 | 0.47 | 0.90 |
| SCR105B-271 | 270 | 1KHZ | 0.87 | 0.41 | 0.86 |
| SCR105B-331 | 330 | 1KHZ | 1.20 | 0.37 | 0.78 |
| SCR105B-391 | 390 | 1KHZ | 1.34 | 0.35 | 0.70 |
| SCR105B-471 | 470 | 1KHZ | 1.50 | 0.33 | 0.63 |



- (1). Inductance tolerance $\pm 20\%$ tested at 0.25V, 0ADC and 25°C
- (2). DCR measured at 25°C.
- (3). The DC current at which the inductance decreases by 10% from its initial value.
- (4). The DC current that results in a 40°C temperature rise from 25°C ambient.

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