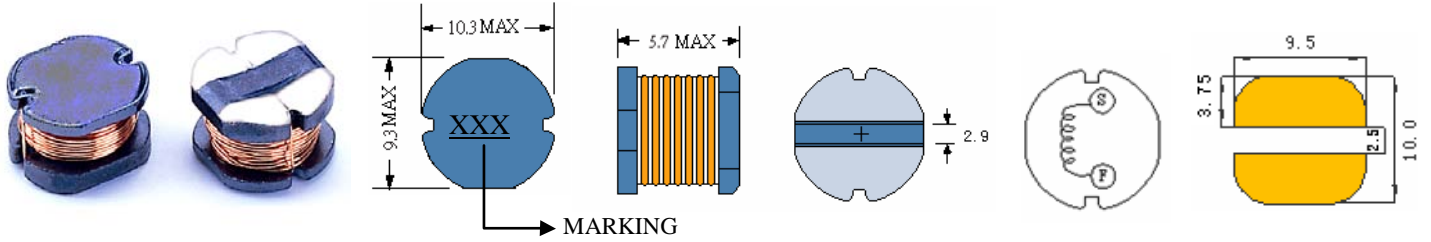


SC105

SMD POWER INDUCTORS



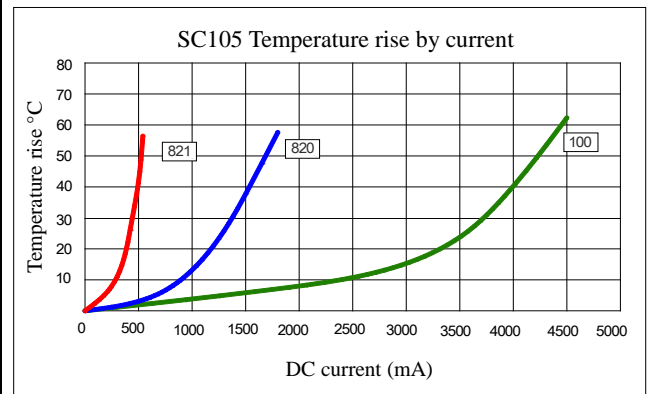
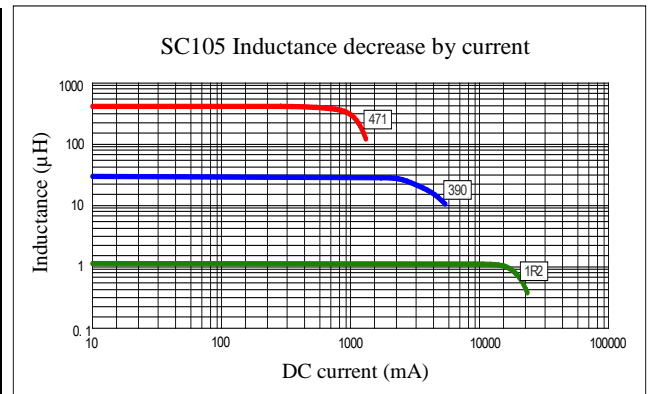
- Features

1. Open frame construction.

ELECTRICAL CHARACTERISTICS



| Part Number | Inductance (uH) (1) | Test Frequency | DC Resistance (Ω MAX) (2) | Saturation Current ⁽³⁾ (A) | Temperature Current ⁽⁴⁾ (A) |
|-------------|------------------------|----------------|------------------------------|--|---|
| SC105-100 | 10 | 2.52MHZ | 0.06 | 2.60 | 3.60 |
| SC105-120 | 12 | 2.52MHZ | 0.07 | 2.45 | 3.30 |
| SC105-150 | 15 | 2.52MHZ | 0.08 | 2.27 | 3.00 |
| SC105-180 | 18 | 2.52MHZ | 0.09 | 2.15 | 2.60 |
| SC105-220 | 22 | 2.52MHZ | 0.10 | 1.95 | 2.40 |
| SC105-270 | 27 | 2.52MHZ | 0.11 | 1.76 | 2.30 |
| SC105-330 | 33 | 2.52MHZ | 0.12 | 1.50 | 2.16 |
| SC105-390 | 39 | 2.52MHZ | 0.14 | 1.37 | 2.00 |
| SC105-470 | 47 | 2.52MHZ | 0.17 | 1.28 | 1.80 |
| SC105-560 | 56 | 2.52MHZ | 0.19 | 1.17 | 1.60 |
| SC105-680 | 68 | 2.52MHZ | 0.22 | 1.11 | 1.50 |
| SC105-820 | 82 | 2.52MHZ | 0.25 | 1.00 | 1.40 |
| SC105-101 | 100 | 1KHZ | 0.35 | 0.97 | 1.30 |
| SC105-121 | 120 | 1KHZ | 0.40 | 0.89 | 1.20 |
| SC105-151 | 150 | 1KHZ | 0.47 | 0.78 | 1.05 |
| SC105-181 | 180 | 1KHZ | 0.63 | 0.72 | 1.00 |
| SC105-221 | 220 | 1KHZ | 0.73 | 0.66 | 0.90 |
| SC105-271 | 270 | 1KHZ | 0.97 | 0.57 | 0.78 |
| SC105-331 | 330 | 1KHZ | 1.15 | 0.52 | 0.68 |
| SC105-391 | 390 | 1KHZ | 1.30 | 0.48 | 0.56 |
| SC105-471 | 470 | 1KHZ | 1.48 | 0.42 | 0.48 |
| SC105-561 | 560 | 1KHZ | 1.90 | 0.33 | 0.46 |
| SC105-681 | 680 | 1KHZ | 2.25 | 0.28 | 0.45 |
| SC105-821 | 820 | 1KHZ | 2.55 | 0.24 | 0.43 |



- (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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Custom versions available upon request.

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