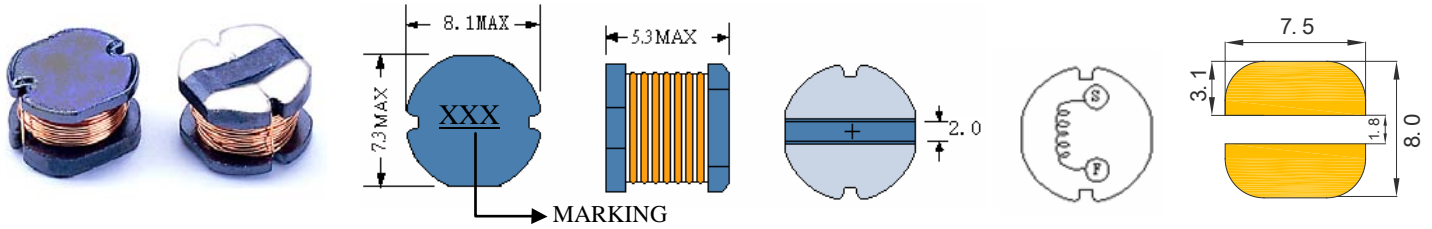


SMD POWER INDUCTORS



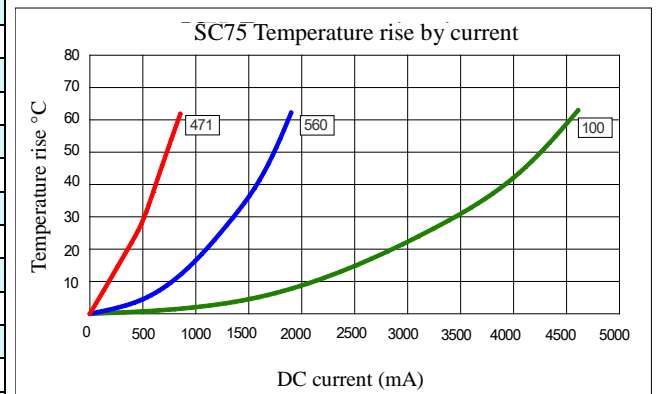
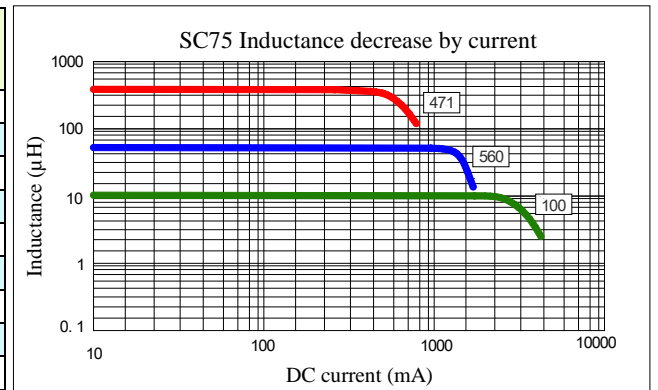
- Features

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) |
|-------------|------------------------|----------------|------------------------------|--|---|
| SC75-100 | 10 | 2.52MHZ | 0.07 | 2.30 | 3.20 |
| SC75-120 | 12 | 2.52MHZ | 0.08 | 2.00 | 3.00 |
| SC75-150 | 15 | 2.52MHZ | 0.09 | 1.80 | 2.75 |
| SC75-180 | 18 | 2.52MHZ | 0.10 | 1.60 | 2.40 |
| SC75-220 | 22 | 2.52MHZ | 0.11 | 1.50 | 2.10 |
| SC75-270 | 27 | 2.52MHZ | 0.12 | 1.30 | 1.85 |
| SC75-330 | 33 | 2.52MHZ | 0.15 | 1.20 | 1.70 |
| SC75-390 | 39 | 2.52MHZ | 0.16 | 1.10 | 1.55 |
| SC75-470 | 47 | 2.52MHZ | 0.18 | 1.10 | 1.47 |
| SC75-560 | 56 | 2.52MHZ | 0.24 | 0.94 | 1.30 |
| SC75-680 | 68 | 2.52MHZ | 0.28 | 0.85 | 1.12 |
| SC75-820 | 82 | 2.52MHZ | 0.37 | 0.78 | 1.03 |
| SC75-101 | 100 | 1KHZ | 0.43 | 0.72 | 0.90 |
| SC75-121 | 120 | 1KHZ | 0.47 | 0.66 | 0.86 |
| SC75-151 | 150 | 1KHZ | 0.64 | 0.58 | 0.80 |
| SC75-181 | 180 | 1KHZ | 0.71 | 0.51 | 0.76 |
| SC75-221 | 220 | 1KHZ | 0.96 | 0.49 | 0.68 |
| SC75-271 | 270 | 1KHZ | 1.11 | 0.42 | 0.60 |
| SC75-331 | 330 | 1KHZ | 1.26 | 0.40 | 0.52 |
| SC75-391 | 390 | 1KHZ | 1.77 | 0.36 | 0.50 |
| SC75-471 | 470 | 1KHZ | 1.96 | 0.34 | 0.46 |
| | | | | | |
| | | | | | |
| | | | | | |



- (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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[SC75-151](#) [SC75-390](#) [SC75-680](#) [SC75-271](#) [SC75-270](#) [SC75-180](#) [SC75-120](#) [SC75-391](#) [SC75-100](#) [SC75-221](#)
[SC75-470](#)