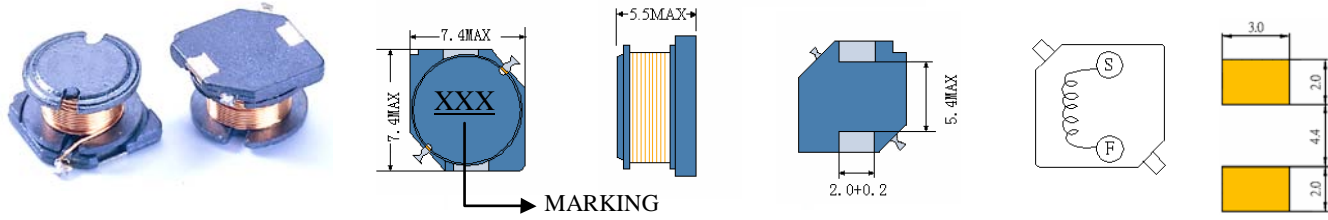


SCB75F

SMD POWER INDUCTORS



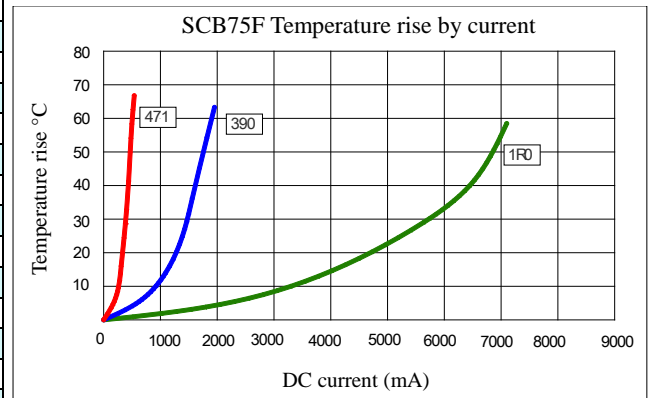
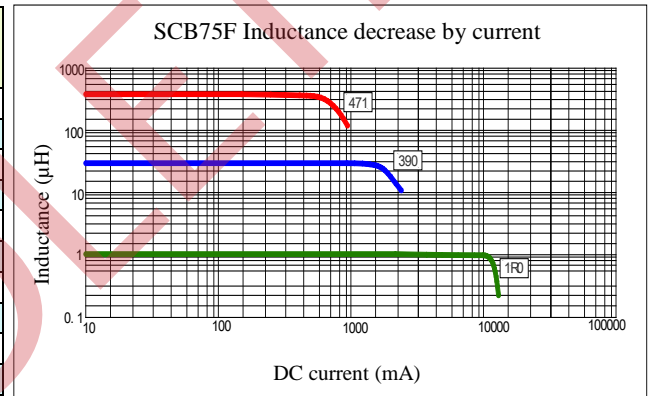
• Features

1. Open frame 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) |
|-------------|--------------------------------|----------------|--------------------------------------|---------------------------------------|--|
| SCB75F-1R0 | 1.0 | 1KHZ | 23m | 2.88 | 5.50 |
| SCB75F-1R5 | 1.5 | 1KHZ | 28m | 2.56 | 5.00 |
| SCB75F-2R2 | 2.2 | 1KHZ | 32m | 2.36 | 4.20 |
| SCB75F-3R3 | 3.3 | 1KHZ | 38m | 2.16 | 3.80 |
| SCB75F-4R7 | 4.7 | 1KHZ | 49m | 1.88 | 3.50 |
| SCB75F-6R8 | 6.8 | 1KHZ | 60m | 1.68 | 3.24 |
| SCB75F-100 | 10 | 1KHZ | 70m | 1.56 | 2.70 |
| SCB75F-120 | 12 | 1KHZ | 80m | 1.44 | 2.50 |
| SCB75F-150 | 15 | 1KHZ | 90m | 1.36 | 2.30 |
| SCB75F-180 | 18 | 1KHZ | 0.10 | 1.28 | 2.10 |
| SCB75F-220 | 22 | 1KHZ | 0.12 | 1.17 | 1.90 |
| SCB75F-270 | 27 | 1KHZ | 0.14 | 1.07 | 1.70 |
| SCB75F-330 | 33 | 1KHZ | 0.18 | 1.00 | 1.55 |
| SCB75F-390 | 39 | 1KHZ | 0.21 | 0.91 | 1.40 |
| SCB75F-470 | 47 | 1KHZ | 0.25 | 0.84 | 1.30 |
| SCB75F-560 | 56 | 1KHZ | 0.29 | 0.72 | 1.22 |
| SCB75F-680 | 68 | 1KHZ | 0.34 | 0.66 | 1.14 |
| SCB75F-820 | 82 | 1KHZ | 0.46 | 0.58 | 1.00 |
| SCB75F-101 | 100 | 1KHZ | 0.55 | 0.51 | 0.85 |
| SCB75F-121 | 120 | 1KHZ | 0.67 | 0.42 | 0.78 |
| SCB75F-151 | 150 | 1KHZ | 0.90 | 0.37 | 0.68 |
| SCB75F-181 | 180 | 1KHZ | 1.05 | 0.35 | 0.60 |
| SCB75F-221 | 220 | 1KHZ | 1.35 | 0.29 | 0.50 |
| SCB75F-271 | 270 | 1KHZ | 1.55 | 0.28 | 0.47 |
| SCB75F-331 | 330 | 1KHZ | 2.05 | 0.23 | 0.44 |
| SCB75F-391 | 390 | 1KHZ | 2.30 | 0.215 | 0.41 |
| SCB75F-471 | 470 | 1KHZ | 2.60 | 0.195 | 0.38 |



- (1). Inductance tolerance for 1.0uH~3.3uH: ±30%, for 4.7uH~100uH: ±20%, for 120uH~470uH: ±10%. 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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