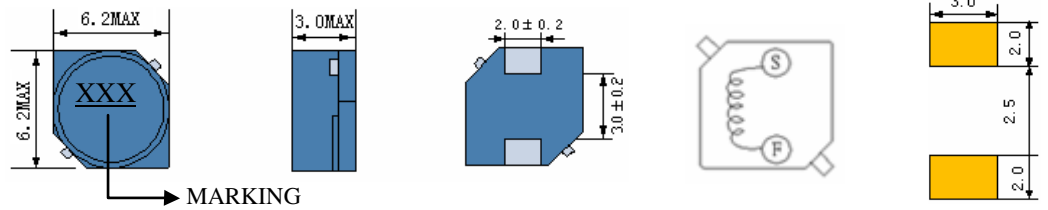


SCB63C

SMD POWER INDUCTORS



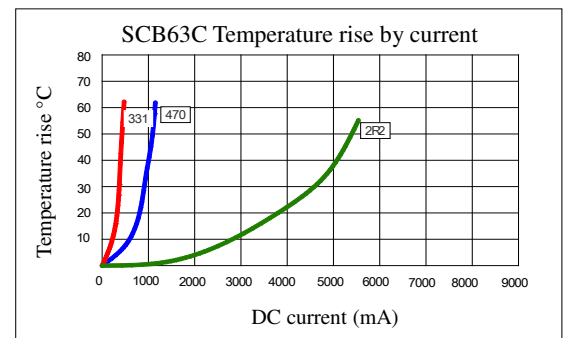
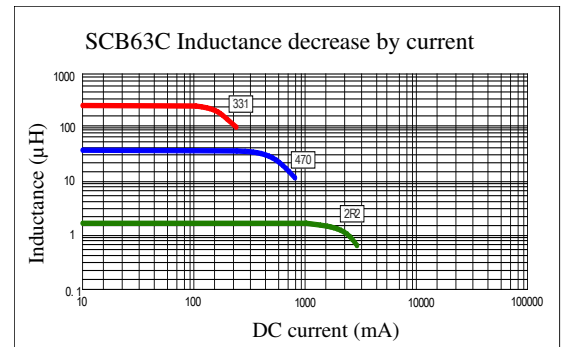
• Features

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

CHARACTERISTICS



| Part Number 料號 | Inductance (uH) (1) | Test Frequency | DC Resistance (Ω MAX) (2) | Saturation Current (A) | Temperature Current (A) (4) |
|-------------------|---------------------------|-------------------|---------------------------------|------------------------------|--------------------------------------|
| SCB63C-2R2 | 2.2 | 1KHZ | 39m | 1.60 | 3.80 |
| SCB63C-3R3 | 3.3 | 1KHZ | 49m | 1.40 | 3.00 |
| SCB63C-4R7 | 4.7 | 1KHZ | 63m | 1.15 | 2.70 |
| SCB63C-6R8 | 6.8 | 1KHZ | 75m | 0.90 | 2.40 |
| SCB63C-100 | 10 | 1KHZ | 94m | 0.80 | 2.00 |
| SCB63C-120 | 12 | 1KHZ | 115m | 0.60 | 1.80 |
| SCB63C-150 | 15 | 1KHZ | 135m | 0.59 | 1.62 |
| SCB63C-180 | 18 | 1KHZ | 152m | 0.57 | 1.45 |
| SCB63C-220 | 22 | 1KHZ | 191m | 0.53 | 1.30 |
| SCB63C-270 | 27 | 1KHZ | 214m | 0.44 | 1.17 |
| SCB63C-330 | 33 | 1KHZ | 259m | 0.42 | 1.12 |
| SCB63C-390 | 39 | 1KHZ | 299m | 0.33 | 1.00 |
| SCB63C-470 | 47 | 1KHZ | 356m | 0.32 | 0.95 |
| SCB63C-560 | 56 | 1KHZ | 401m | 0.30 | 0.90 |
| SCB63C-680 | 68 | 1KHZ | 473m | 0.27 | 0.80 |
| SCB63C-820 | 82 | 1KHZ | 572m | 0.25 | 0.70 |
| SCB63C-101 | 100 | 1KHZ | 670m | 0.24 | 0.63 |
| SCB63C-121 | 120 | 1KHZ | 860m | 0.23 | 0.56 |
| SCB63C-151 | 150 | 1KHZ | 990m | 0.20 | 0.53 |
| SCB63C-181 | 180 | 1KHZ | 1.27 | 0.14 | 0.48 |
| SCB63C-221 | 220 | 1KHZ | 1.80 | 0.13 | 0.41 |
| SCB63C-271 | 270 | 1KHZ | 1.96 | 0.12 | 0.36 |
| SCB63C-331 | 330 | 1KHZ | 2.32 | 0.11 | 0.34 |



(1). Inductance tolerance for 2.2uH~6.8uH: $\pm 30\%$, for 10uH~330uH: $\pm 20\%$. 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.