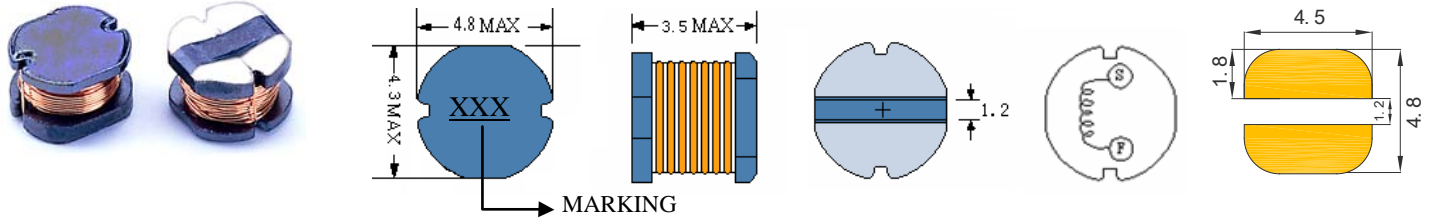


SMD POWER INDUCTORS



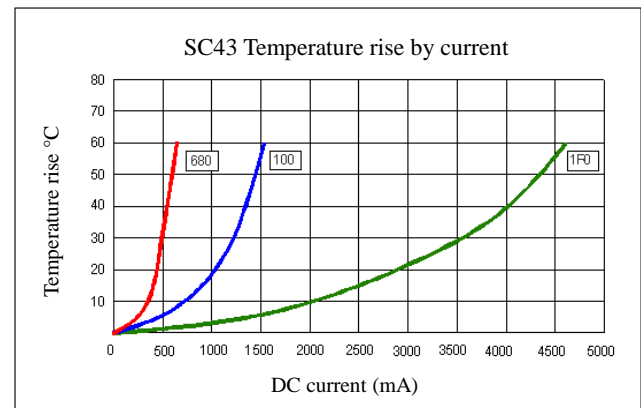
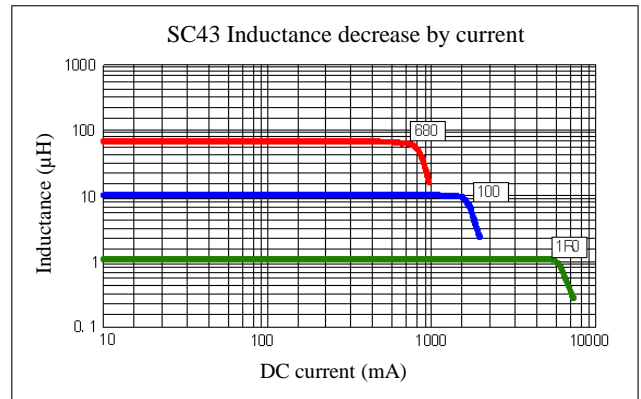
- Features

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) |
|-------------|------------------------|----------------|------------------------------|--|---|
| SC43-1R0 | 1.0 | 7.96MHZ | 33m | 3.80 | 3.20 |
| SC43-1R4 | 1.4 | 7.96MHZ | 38m | 3.30 | 3.10 |
| SC43-1R8 | 1.8 | 7.96MHZ | 42m | 2.91 | 2.90 |
| SC43-2R2 | 2.2 | 7.96MHZ | 47m | 2.60 | 2.70 |
| SC43-2R7 | 2.7 | 7.96MHZ | 52m | 2.43 | 2.50 |
| SC43-3R3 | 3.3 | 7.96MHZ | 58m | 2.15 | 2.15 |
| SC43-3R9 | 3.9 | 7.96MHZ | 76m | 1.98 | 1.98 |
| SC43-4R7 | 4.7 | 7.96MHZ | 94m | 1.70 | 1.72 |
| SC43-5R6 | 5.6 | 7.96MHZ | 101m | 1.60 | 1.68 |
| SC43-6R8 | 6.8 | 7.96MHZ | 117m | 1.41 | 1.58 |
| SC43-8R2 | 8.2 | 7.96MHZ | 132m | 1.26 | 1.40 |
| SC43-100 | 10 | 2.52MHZ | 182m | 1.15 | 1.25 |
| SC43-120 | 12 | 2.52MHZ | 210m | 1.05 | 1.20 |
| SC43-150 | 15 | 2.52MHZ | 235m | 0.92 | 1.10 |
| SC43-180 | 18 | 2.52MHZ | 338m | 0.84 | 0.95 |
| SC43-220 | 22 | 2.52MHZ | 378m | 0.76 | 0.86 |
| SC43-270 | 27 | 2.52MHZ | 522m | 0.71 | 0.74 |
| SC43-330 | 33 | 2.52MHZ | 540m | 0.64 | 0.72 |
| SC43-390 | 39 | 2.52MHZ | 587m | 0.59 | 0.64 |
| SC43-470 | 47 | 2.52MHZ | 844m | 0.54 | 0.60 |
| SC43-560 | 56 | 2.52MHZ | 937m | 0.50 | 0.54 |
| SC43-680 | 68 | 2.52MHZ | 1117m | 0.46 | 0.48 |
| | | | | | |
| | | | | | |



(1). Inductance tolerance for 1.0uH: ±30%, for 1.4uH~68uH: ±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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