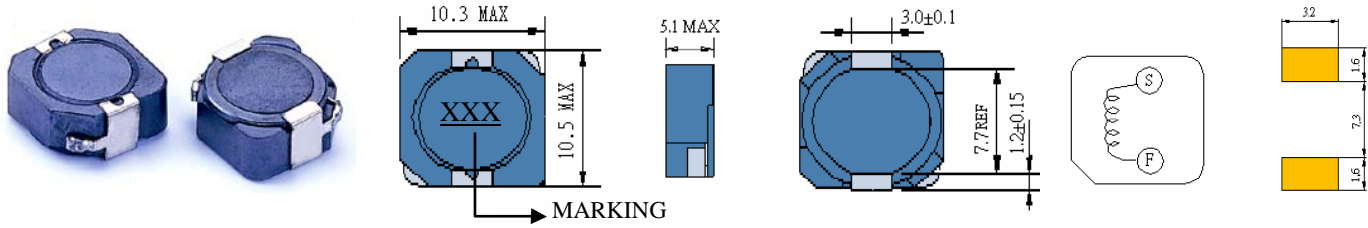


SCRH105R

SMD POWER INDUCTORS



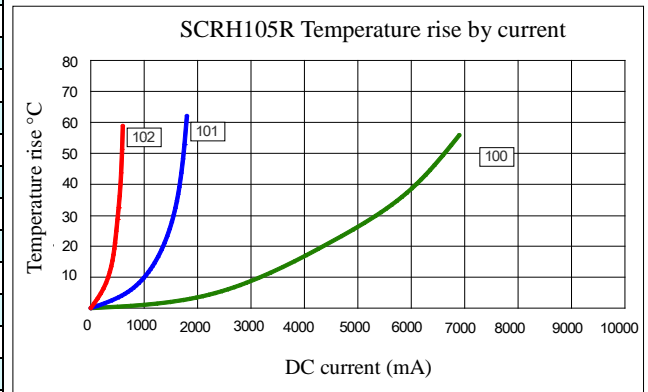
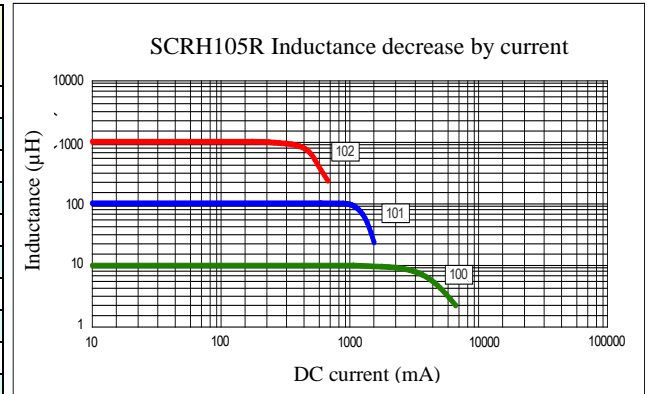
• Features

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

CHARACTERISTICS



| Part Number | Inductance (uH) (1) | Test Frequency | DC Resistance (Ω MAX) (2) | Saturation Current ⁽³⁾ (A) | Temperature Current ⁽⁴⁾ (A) |
|--------------|------------------------|----------------|------------------------------|--|---|
| SCRH105R-100 | 10 | 100KHZ | 26m | 3.45 | 4.50 |
| SCRH105R-120 | 12 | 100KHZ | 33m | 3.40 | 4.27 |
| SCRH105R-150 | 15 | 100KHZ | 41m | 2.83 | 4.00 |
| SCRH105R-180 | 18 | 100KHZ | 46m | 2.62 | 3.80 |
| SCRH105R-220 | 22 | 100KHZ | 61m | 2.44 | 3.40 |
| SCRH105R-270 | 27 | 100KHZ | 69m | 2.24 | 3.00 |
| SCRH105R-330 | 33 | 100KHZ | 84m | 1.88 | 2.70 |
| SCRH105R-390 | 39 | 100KHZ | 106m | 1.70 | 2.43 |
| SCRH105R-470 | 47 | 100KHZ | 130m | 1.56 | 2.10 |
| SCRH105R-560 | 56 | 100KHZ | 149m | 1.39 | 1.90 |
| SCRH105R-680 | 68 | 100KHZ | 201m | 1.36 | 1.65 |
| SCRH105R-820 | 82 | 100KHZ | 227m | 1.20 | 1.50 |
| SCRH105R-101 | 100 | 100KHZ | 253m | 1.09 | 1.42 |
| SCRH105R-121 | 120 | 100KHZ | 303m | 1.00 | 1.34 |
| SCRH105R-151 | 150 | 100KHZ | 370m | 0.91 | 1.27 |
| SCRH105R-181 | 180 | 100KHZ | 419m | 0.84 | 1.20 |
| SCRH105R-221 | 220 | 100KHZ | 500m | 0.75 | 1.08 |
| SCRH105R-271 | 270 | 100KHZ | 672m | 0.68 | 0.97 |
| SCRH105R-331 | 330 | 100KHZ | 812m | 0.60 | 0.87 |
| SCRH105R-391 | 390 | 100KHZ | 953m | 0.57 | 0.78 |
| SCRH105R-471 | 470 | 100KHZ | 1.28 | 0.50 | 0.70 |
| SCRH105R-561 | 560 | 100KHZ | 1.43 | 0.47 | 0.63 |
| SCRH105R-681 | 680 | 100KHZ | 1.60 | 0.43 | 0.56 |
| SCRH105R-821 | 820 | 100KHZ | 1.75 | 0.39 | 0.50 |
| SCRH105R-102 | 1000 | 100KHZ | 1.99 | 0.35 | 0.45 |



- (1). Inductance tolerance $\pm 30\%$ tested at 0.25V, 0ADC and 25°C
- (2). DCR measured at 25°C.
- (3). The DC current at which the inductance decreases by 35% 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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