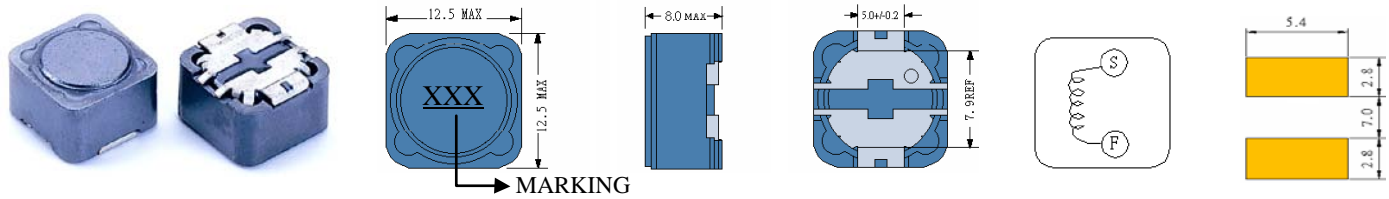


SCRH127

SMD POWER INDUCTORS



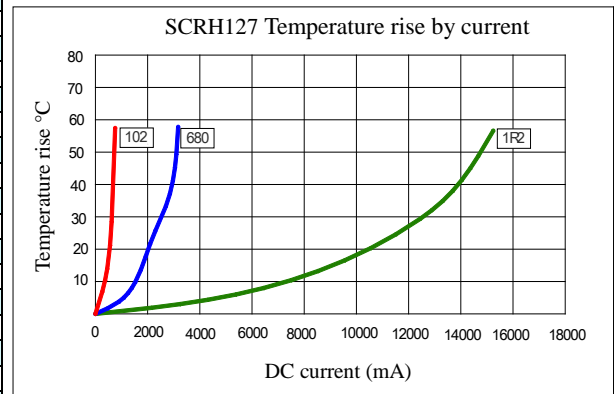
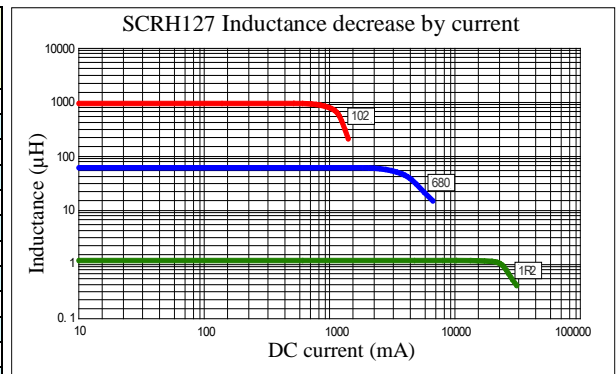
• Features

1. Magnetically shielded 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) |
|-------------|---------------------|----------------|---------------------------|----------------------------|-----------------------------|
| SCRH127-1R2 | 1.2 | 100KHZ | 7.0m | 9.80 | 12.0 |
| SCRH127-2R4 | 2.4 | 100KHZ | 11.5m | 8.00 | 10.8 |
| SCRH127-3R5 | 3.5 | 100KHZ | 13.5m | 7.50 | 9.20 |
| SCRH127-4R7 | 4.7 | 100KHZ | 15.8m | 6.80 | 7.80 |
| SCRH127-6R1 | 6.1 | 100KHZ | 17.6m | 6.60 | 5.80 |
| SCRH127-7R6 | 7.6 | 100KHZ | 20.0m | 5.90 | 6.30 |
| SCRH127-100 | 10 | 1KHZ | 21.6m | 5.40 | 5.67 |
| SCRH127-120 | 12 | 1KHZ | 24.3m | 4.90 | 5.10 |
| SCRH127-150 | 15 | 1KHZ | 27.0m | 4.50 | 4.85 |
| SCRH127-180 | 18 | 1KHZ | 39.2m | 3.90 | 4.36 |
| SCRH127-220 | 22 | 1KHZ | 43.2m | 3.60 | 4.00 |
| SCRH127-270 | 27 | 1KHZ | 45.9m | 3.40 | 3.60 |
| SCRH127-330 | 33 | 1KHZ | 64.8m | 3.00 | 3.24 |
| SCRH127-390 | 39 | 1KHZ | 72.9m | 2.75 | 2.91 |
| SCRH127-470 | 47 | 1KHZ | 0.10 | 2.50 | 2.62 |
| SCRH127-560 | 56 | 1KHZ | 0.11 | 2.35 | 2.35 |
| SCRH127-680 | 68 | 1KHZ | 0.14 | 2.10 | 2.23 |
| SCRH127-820 | 82 | 1KHZ | 0.16 | 1.95 | 2.00 |
| SCRH127-101 | 100 | 1KHZ | 0.22 | 1.70 | 1.80 |
| SCRH127-121 | 120 | 1KHZ | 0.25 | 1.60 | 1.70 |
| SCRH127-151 | 150 | 1KHZ | 0.28 | 1.42 | 1.60 |
| SCRH127-181 | 180 | 1KHZ | 0.35 | 1.30 | 1.52 |
| SCRH127-221 | 220 | 1KHZ | 0.39 | 1.16 | 1.44 |
| SCRH127-271 | 270 | 1KHZ | 0.56 | 1.06 | 1.36 |
| SCRH127-331 | 330 | 1KHZ | 0.64 | 0.95 | 1.22 |
| SCRH127-391 | 390 | 1KHZ | 0.70 | 0.88 | 1.03 |
| SCRH127-471 | 470 | 1KHZ | 0.98 | 0.79 | 0.92 |
| SCRH127-561 | 560 | 1KHZ | 1.07 | 0.73 | 0.83 |
| SCRH127-681 | 680 | 1KHZ | 1.46 | 0.67 | 0.75 |
| SCRH127-821 | 820 | 1KHZ | 1.64 | 0.60 | 0.68 |
| SCRH127-102 | 1000 | 1KHZ | 1.82 | 0.55 | 0.61 |



(1). Inductance tolerance for 1.29uH~7.6uH: $\pm 30\%$, for 10uH~1000uH: $\pm 20\%$. Tested at 0.25V, 0ADC and 25°C

(2). DCR measured at 25°C.

(3). The DC current at which the inductance decreases by 25% from its initial value.

(4). The DC current that results in a 40°C temperature rise from 25°C ambient.

[Click here for QUANTITY PER REEL & PACKING INFORMATION](#)

Custom versions available upon request.