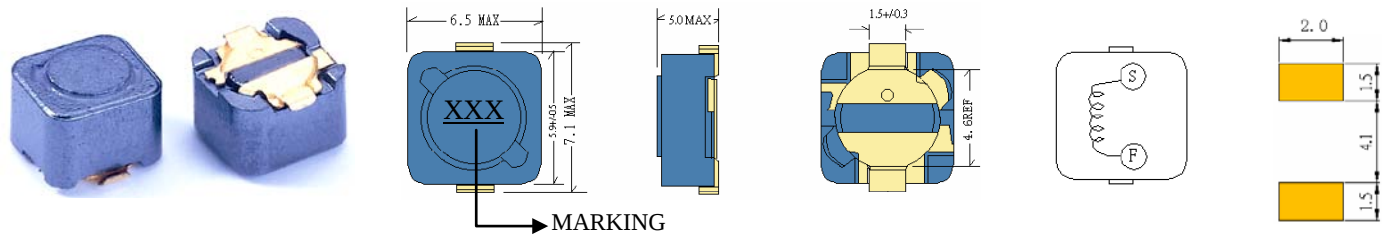


# SCRH64

## SMD POWER INDUCTORS



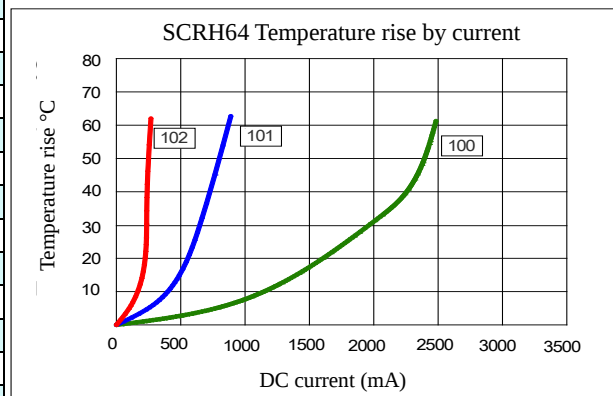
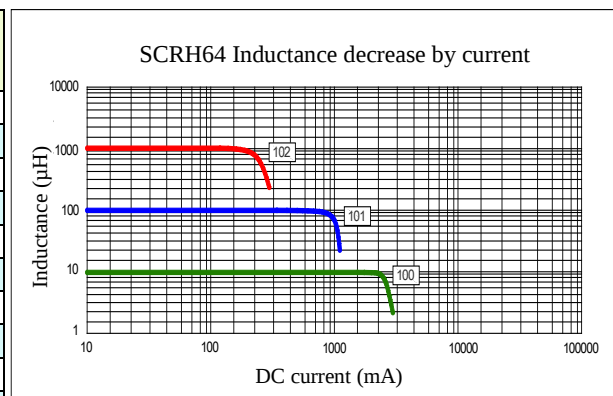
### • Features

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

## CHARACTERISTICS



| Part Number | Inductance (uH)<br>(1) | Test Frequency | DC Resistance (Ω MAX)<br>(2) | Saturation Current (3)<br>(A) | Temperature Current (4)<br>(A) |
|-------------|------------------------|----------------|------------------------------|-------------------------------|--------------------------------|
| SCRH64-100  | 10                     | 1KHZ           | 0.12                         | 1.35                          | 2.00                           |
| SCRH64-120  | 12                     | 1KHZ           | 0.13                         | 1.22                          | 1.80                           |
| SCRH64-150  | 15                     | 1KHZ           | 0.18                         | 1.11                          | 1.62                           |
| SCRH64-180  | 18                     | 1KHZ           | 0.24                         | 1.02                          | 1.45                           |
| SCRH64-220  | 22                     | 1KHZ           | 0.27                         | 0.91                          | 1.30                           |
| SCRH64-270  | 27                     | 1KHZ           | 0.30                         | 0.82                          | 1.17                           |
| SCRH64-330  | 33                     | 1KHZ           | 0.33                         | 0.74                          | 1.05                           |
| SCRH64-390  | 39                     | 1KHZ           | 0.37                         | 0.69                          | 0.95                           |
| SCRH64-470  | 47                     | 1KHZ           | 0.52                         | 0.62                          | 0.90                           |
| SCRH64-560  | 56                     | 1KHZ           | 0.56                         | 0.58                          | 0.85                           |
| SCRH64-680  | 68                     | 1KHZ           | 0.63                         | 0.51                          | 0.80                           |
| SCRH64-820  | 82                     | 1KHZ           | 0.71                         | 0.46                          | 0.72                           |
| SCRH64-101  | 100                    | 1KHZ           | 1.03                         | 0.42                          | 0.64                           |
| SCRH64-121  | 120                    | 1KHZ           | 1.15                         | 0.38                          | 0.57                           |
| SCRH64-151  | 150                    | 1KHZ           | 1.68                         | 0.35                          | 0.51                           |
| SCRH64-181  | 180                    | 1KHZ           | 1.87                         | 0.32                          | 0.48                           |
| SCRH64-221  | 220                    | 1KHZ           | 2.08                         | 0.29                          | 0.46                           |
| SCRH64-271  | 270                    | 1KHZ           | 2.37                         | 0.26                          | 0.45                           |
| SCRH64-331  | 330                    | 1KHZ           | 2.67                         | 0.23                          | 0.42                           |
| SCRH64-391  | 390                    | 1KHZ           | 2.94                         | 0.22                          | 0.40                           |
| SCRH64-471  | 470                    | 1KHZ           | 3.93                         | 0.20                          | 0.38                           |
| SCRH64-561  | 560                    | 1KHZ           | 5.43                         | 0.18                          | 0.36                           |
| SCRH64-681  | 680                    | 1KHZ           | 7.32                         | 0.17                          | 0.30                           |
| SCRH64-821  | 820                    | 1KHZ           | 8.24                         | 0.15                          | 0.24                           |
| SCRH64-102  | 1000                   | 1KHZ           | 9.26                         | 0.14                          | 0.21                           |



(1). Inductance tolerance  $\pm 20\%$  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.

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Custom versions available upon request.

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