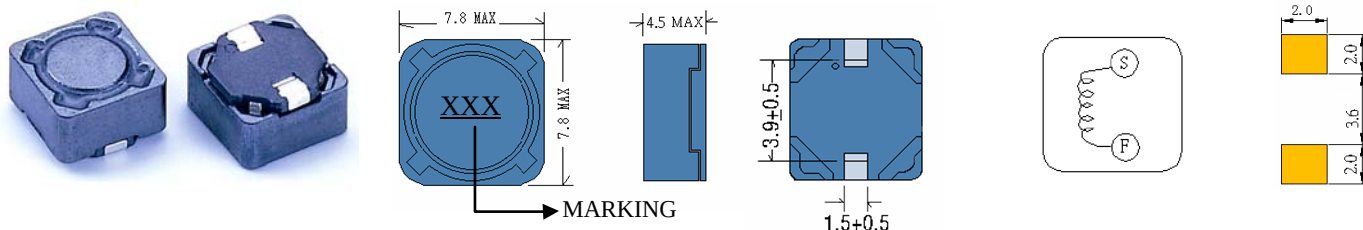


# SCRH74B

## SMD POWER INDUCTORS



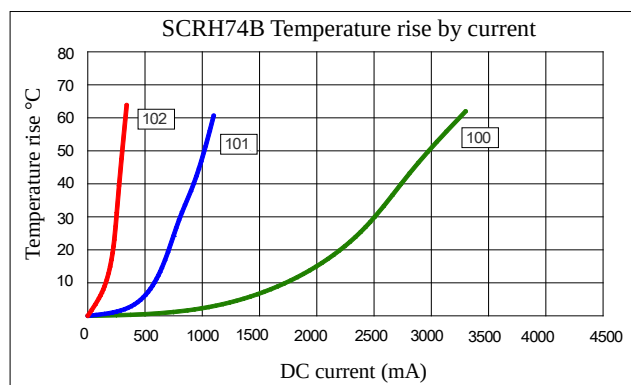
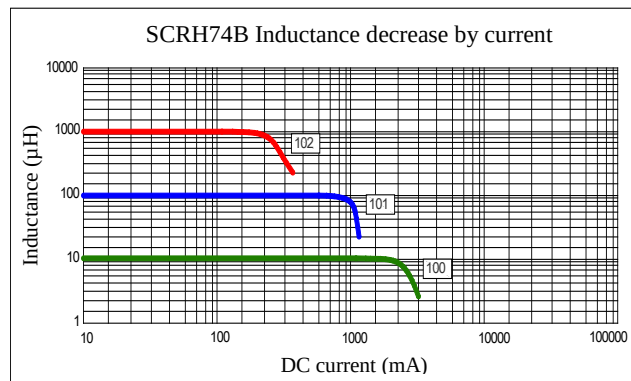
### • Features

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

## ELECTRICAL CHARACTERISTICS



| Part Number | Inductance (uH)<br>(1) | Test Frequency | DC Resistance (Ω MAX)<br>(2) | Saturation Current (A)<br>(3) | Temperature Current (A)<br>(4) |
|-------------|------------------------|----------------|------------------------------|-------------------------------|--------------------------------|
| SCRH74B-100 | 10                     | 1KHZ           | 65m                          | 1.84                          | 2.40                           |
| SCRH74B-120 | 12                     | 1KHZ           | 67m                          | 1.71                          | 2.21                           |
| SCRH74B-150 | 15                     | 1KHZ           | 81m                          | 1.47                          | 2.09                           |
| SCRH74B-180 | 18                     | 1KHZ           | 0.11                         | 1.31                          | 1.81                           |
| SCRH74B-220 | 22                     | 1KHZ           | 0.13                         | 1.23                          | 1.73                           |
| SCRH74B-270 | 27                     | 1KHZ           | 0.15                         | 1.12                          | 1.60                           |
| SCRH74B-330 | 33                     | 1KHZ           | 0.17                         | 0.96                          | 1.36                           |
| SCRH74B-390 | 39                     | 1KHZ           | 0.23                         | 0.91                          | 1.26                           |
| SCRH74B-470 | 47                     | 1KHZ           | 0.26                         | 0.88                          | 1.18                           |
| SCRH74B-560 | 56                     | 1KHZ           | 0.35                         | 0.75                          | 1.05                           |
| SCRH74B-680 | 68                     | 1KHZ           | 0.38                         | 0.69                          | 1.04                           |
| SCRH74B-820 | 82                     | 1KHZ           | 0.43                         | 0.61                          | 0.91                           |
| SCRH74B-101 | 100                    | 1KHZ           | 0.61                         | 0.60                          | 0.75                           |
| SCRH74B-121 | 120                    | 1KHZ           | 0.66                         | 0.52                          | 0.70                           |
| SCRH74B-151 | 150                    | 1KHZ           | 0.88                         | 0.46                          | 0.65                           |
| SCRH74B-181 | 180                    | 1KHZ           | 0.98                         | 0.42                          | 0.60                           |
| SCRH74B-221 | 220                    | 1KHZ           | 1.17                         | 0.36                          | 0.55                           |
| SCRH74B-271 | 270                    | 1KHZ           | 1.64                         | 0.34                          | 0.55                           |
| SCRH74B-331 | 330                    | 1KHZ           | 1.86                         | 0.32                          | 0.47                           |
| SCRH74B-391 | 390                    | 1KHZ           | 2.85                         | 0.29                          | 0.42                           |
| SCRH74B-471 | 470                    | 1KHZ           | 3.01                         | 0.26                          | 0.38                           |
| SCRH74B-561 | 560                    | 1KHZ           | 3.62                         | 0.23                          | 0.32                           |
| SCRH74B-681 | 680                    | 1KHZ           | 4.63                         | 0.22                          | 0.30                           |
| SCRH74B-821 | 820                    | 1KHZ           | 5.20                         | 0.20                          | 0.25                           |
| SCRH74B-102 | 1000                   | 1KHZ           | 6.00                         | 0.18                          | 0.25                           |



- (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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