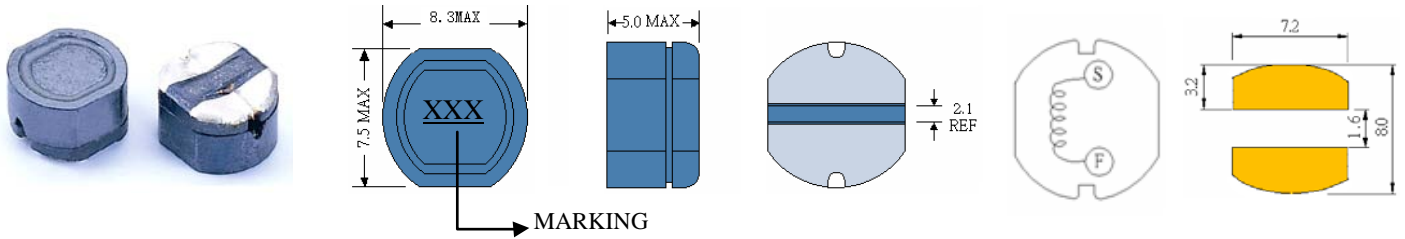


# SCR74B

## SMD POWER INDUCTORS



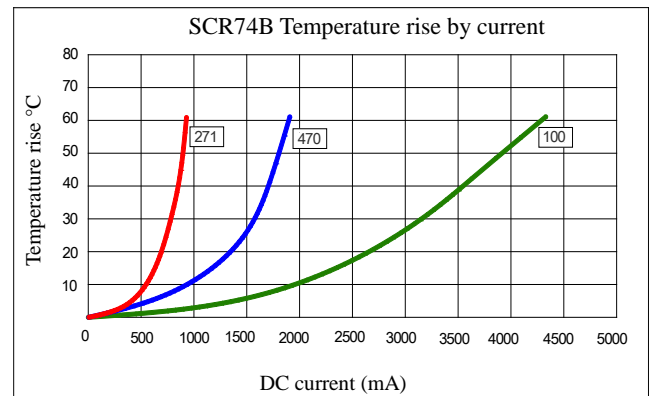
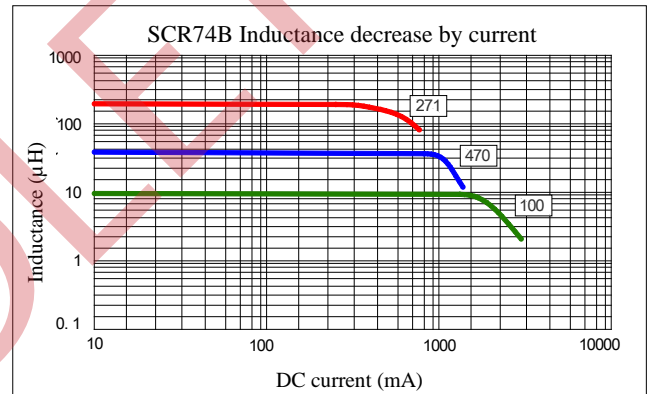
### • Features

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 <sup>(3)</sup><br>(A) | Temperature Current <sup>(4)</sup><br>(A) |
|-------------|------------------------|----------------|------------------------------|--|---|
| SCR74B-100  | 10                     | 2.52KHZ        | 0.07                         | 1.65                                     | 3.30                                      |
| SCR74B-120  | 12                     | 2.52KHZ        | 0.07                         | 1.57                                     | 3.00                                      |
| SCR74B-150  | 15                     | 2.52KHZ        | 0.08                         | 1.39                                     | 2.70                                      |
| SCR74B-180  | 18                     | 2.52KHZ        | 0.10                         | 1.29                                     | 2.43                                      |
| SCR74B-220  | 22                     | 2.52KHZ        | 0.13                         | 1.12                                     | 2.18                                      |
| SCR74B-270  | 27                     | 2.52KHZ        | 0.16                         | 1.06                                     | 1.96                                      |
| SCR74B-330  | 33                     | 2.52KHZ        | 0.18                         | 0.97                                     | 1.74                                      |
| SCR74B-390  | 39                     | 2.52KHZ        | 0.18                         | 0.91                                     | 1.64                                      |
| SCR74B-470  | 47                     | 2.52KHZ        | 0.27                         | 0.80                                     | 1.55                                      |
| SCR74B-560  | 56                     | 2.52KHZ        | 0.29                         | 0.76                                     | 1.47                                      |
| SCR74B-680  | 68                     | 2.52KHZ        | 0.33                         | 0.68                                     | 1.32                                      |
| SCR74B-820  | 82                     | 2.52KHZ        | 0.43                         | 0.62                                     | 1.20                                      |
| SCR74B-101  | 100                    | 1KHZ           | 0.49                         | 0.55                                     | 1.14                                      |
| SCR74B-121  | 120                    | 1KHZ           | 0.68                         | 0.49                                     | 1.08                                      |
| SCR74B-151  | 150                    | 1KHZ           | 0.94                         | 0.44                                     | 0.97                                      |
| SCR74B-181  | 180                    | 1KHZ           | 1.00                         | 0.40                                     | 0.87                                      |
| SCR74B-221  | 220                    | 1KHZ           | 1.18                         | 0.36                                     | 0.78                                      |
| SCR74B-271  | 270                    | 1KHZ           | 1.30                         | 0.33                                     | 0.70                                      |
|             |                        |                |                              |  |   |
|             |                        |                |                              |  |   |
|             |                        |                |                              |  |   |



- (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 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.