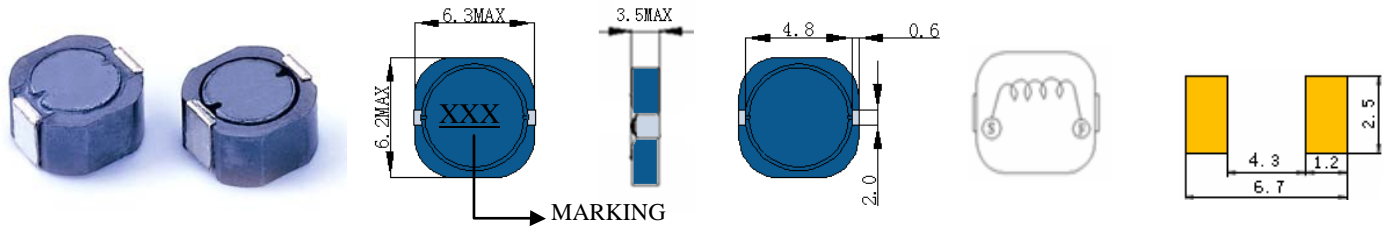


# SC63CB

## SMD POWER INDUCTORS



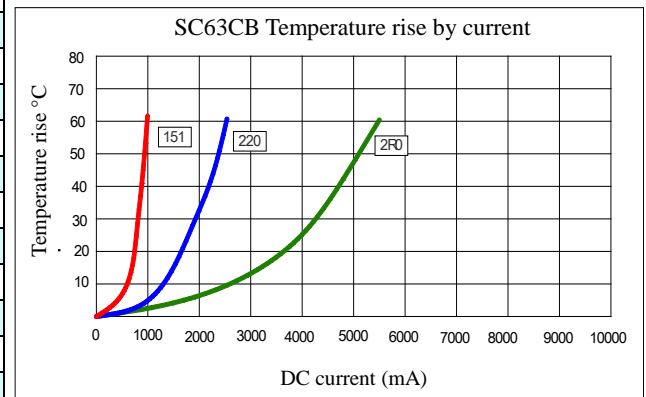
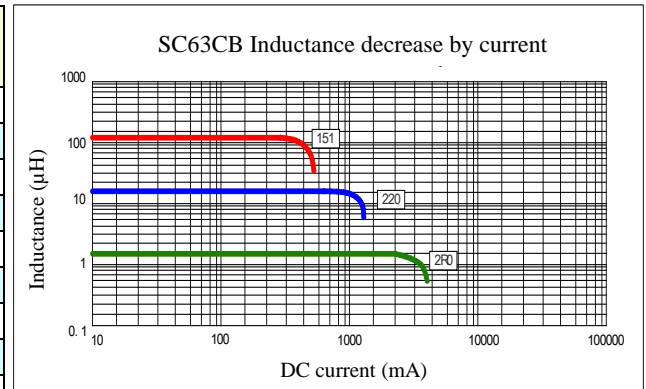
### • Features

1. Magnetically shielded construction
2. LOW Profile (3.0mm max. height x 6.3mm square)
3. Low DC resistance makes this product very suitable for large current applications



## 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) |
|-------------|------------------------|----------------|------------------------------|--|---|
| SC63CB-2R0  | 2.0                    | 100KHZ         | 20m                          | 3.00                                     | 4.00                                      |
| SC63CB-2R7  | 2.7                    | 100KHZ         | 23m                          | 2.69                                     | 3.60                                      |
| SC63CB-3R3  | 3.3                    | 100KHZ         | 27m                          | 2.57                                     | 3.24                                      |
| SC63CB-4R7  | 4.7                    | 100KHZ         | 33m                          | 2.08                                     | 3.10                                      |
| SC63CB-6R2  | 6.2                    | 100KHZ         | 39m                          | 1.84                                     | 2.85                                      |
| SC63CB-8R2  | 8.2                    | 100KHZ         | 45m                          | 1.54                                     | 2.70                                      |
| SC63CB-100  | 10                     | 100KHZ         | 50m                          | 1.49                                     | 2.56                                      |
| SC63CB-120  | 12                     | 100KHZ         | 65m                          | 1.28                                     | 2.43                                      |
| SC63CB-150  | 15                     | 100KHZ         | 80m                          | 1.10                                     | 2.18                                      |
| SC63CB-180  | 18                     | 100KHZ         | 85m                          | 1.05                                     | 2.07                                      |
| SC63CB-220  | 22                     | 100KHZ         | 110m                         | 0.97                                     | 1.75                                      |
| SC63CB-270  | 27                     | 100KHZ         | 146m                         | 0.82                                     | 1.67                                      |
| SC63CB-330  | 33                     | 100KHZ         | 169m                         | 0.76                                     | 1.50                                      |
| SC63CB-390  | 39                     | 100KHZ         | 198m                         | 0.70                                     | 1.42                                      |
| SC63CB-470  | 47                     | 100KHZ         | 218m                         | 0.68                                     | 1.34                                      |
| SC63CB-560  | 56                     | 100KHZ         | 268m                         | 0.60                                     | 1.20                                      |
| SC63CB-680  | 68                     | 100KHZ         | 333m                         | 0.56                                     | 1.02                                      |
| SC63CB-820  | 82                     | 100KHZ         | 436m                         | 0.47                                     | 0.91                                      |
| SC63CB-101  | 100                    | 100KHZ         | 496m                         | 0.45                                     | 0.86                                      |
| SC63CB-151  | 150                    | 100KHZ         | 691m                         | 0.37                                     | 0.77                                      |



(1). Inductance tolerance for 2.0uH~8.2uH:  $\pm 30\%$ , for 10uH~150uH:  $\pm 20\%$ . Tested at 0.25V, 0ADC and 25°C

(2). DCR measured at 25°C.

(3). The DC current at which the inductance decreases by 30% 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.