

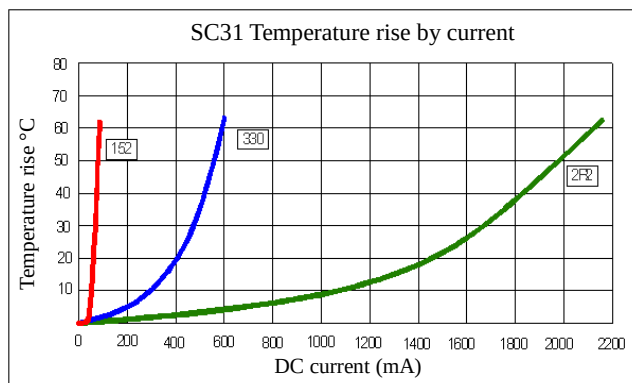
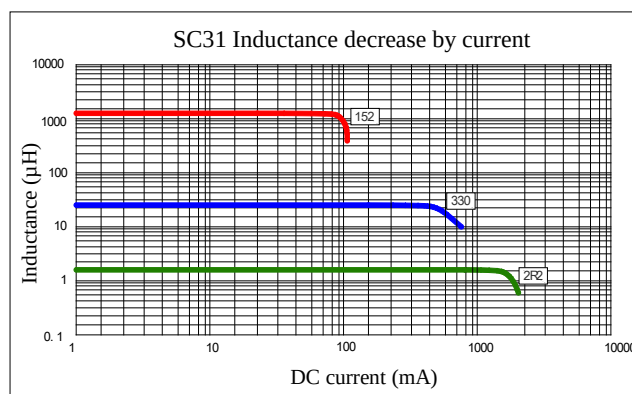
### • Features

1. Open frame construction.

## ELECTRICAL CHARACTERISTICS



| Part Number | Inductance<br>(uH)<br>(1) | Test<br>Frequency | DC Resistance<br>(Ω MAX)<br>(2) | Saturation<br>Current<br>(A)<br>(3) | Temperature<br>Current<br>(A)<br>(4) |
|-------------|---------------------------|-------------------|---------------------------------|-------------------------------------|--------------------------------------|
| SC31-2R2    | 2.2                       | 1MHZ              | 0.10                            | 0.79                                | 1.60                                 |
| SC31-4R7    | 4.7                       | 1MHZ              | 0.19                            | 0.65                                | 1.05                                 |
| SC31-100    | 10                        | 1MHZ              | 0.35                            | 0.45                                | 0.80                                 |
| SC31-150    | 15                        | 1MHZ              | 0.65                            | 0.30                                | 0.64                                 |
| SC31-220    | 22                        | 1MHZ              | 0.76                            | 0.25                                | 0.52                                 |
| SC31-330    | 33                        | 1MHZ              | 1.20                            | 0.20                                | 0.46                                 |
| SC31-470    | 47                        | 1MHZ              | 1.70                            | 0.17                                | 0.35                                 |
| SC31-680    | 68                        | 1MHZ              | 2.50                            | 0.13                                | 0.29                                 |
| SC31-101    | 100                       | 1KHZ              | 3.40                            | 0.10                                | 0.25                                 |
| SC31-122    | 1200                      | 1KHZ              | 45.6                            | 0.05                                | 0.08                                 |
| SC31-152    | 1500                      | 1KHZ              | 66.0                            | 0.03                                | 0.066                                |
|             |                           |                   |                                 |                                     |                                      |
|             |                           |                   |                                 |                                     |                                      |
|             |                           |                   |                                 |                                     |                                      |
|             |                           |                   |                                 |                                     |                                      |
|             |                           |                   |                                 |                                     |                                      |
|             |                           |                   |                                 |                                     |                                      |
|             |                           |                   |                                 |                                     |                                      |
|             |                           |                   |                                 |                                     |                                      |



- (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.

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

Custom versions available upon request.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bel:

[SC31-470](#) [SC31-330](#) [SC31-122](#) [SC31-152](#) [SC31-2R2](#) [SC31-4R7](#) [SC31-101](#) [SC31-100](#) [SC31-220](#) [SC31-680](#)  
[SC31-150](#)