

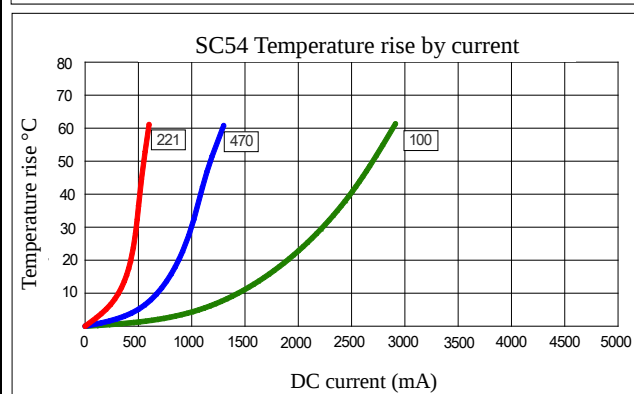
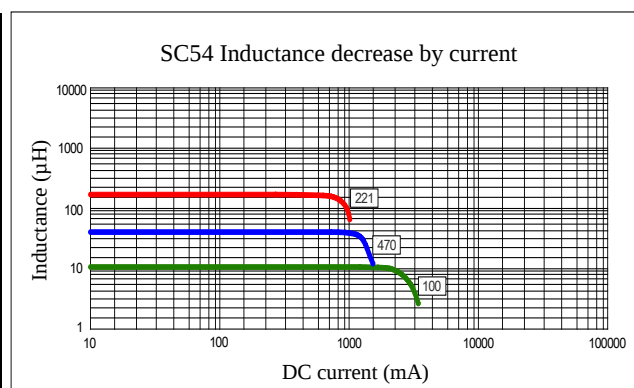
### • Features

1. Open frame construction.

## ELECTRICAL CHARACTERISTICS



| Part Number | Inductance<br>( $\mu$ H)<br>(1) | Test<br>Frequency | DC Resistance<br>( $\Omega$ MAX)<br>(2) | Saturation<br>Current <sup>(3)</sup><br>(A) | Temperature<br>Current <sup>(4)</sup><br>(A) |
|-------------|---------------------------------|-------------------|-----------------------------------------|---------------------------------------------|----------------------------------------------|
| SC54-100    | 10                              | 2.52MHZ           | 0.10                                    | 1.44                                        | 2.20                                         |
| SC54-120    | 12                              | 2.52MHZ           | 0.12                                    | 1.40                                        | 1.98                                         |
| SC54-150    | 15                              | 2.52MHZ           | 0.14                                    | 1.30                                        | 1.76                                         |
| SC54-180    | 18                              | 2.52MHZ           | 0.15                                    | 1.23                                        | 1.65                                         |
| SC54-220    | 22                              | 2.52MHZ           | 0.18                                    | 1.11                                        | 1.45                                         |
| SC54-270    | 27                              | 2.52MHZ           | 0.20                                    | 0.97                                        | 1.30                                         |
| SC54-330    | 33                              | 2.52MHZ           | 0.23                                    | 0.88                                        | 1.20                                         |
| SC54-390    | 39                              | 2.52MHZ           | 0.32                                    | 0.80                                        | 1.10                                         |
| SC54-470    | 47                              | 2.52MHZ           | 0.37                                    | 0.72                                        | 1.00                                         |
| SC54-560    | 56                              | 2.52MHZ           | 0.42                                    | 0.68                                        | 0.86                                         |
| SC54-680    | 68                              | 2.52MHZ           | 0.46                                    | 0.61                                        | 0.78                                         |
| SC54-820    | 82                              | 2.52MHZ           | 0.60                                    | 0.58                                        | 0.70                                         |
| SC54-101    | 100                             | 1KHZ              | 0.70                                    | 0.52                                        | 0.64                                         |
| SC54-121    | 120                             | 1KHZ              | 0.93                                    | 0.48                                        | 0.58                                         |
| SC54-151    | 150                             | 1KHZ              | 1.10                                    | 0.40                                        | 0.54                                         |
| SC54-181    | 180                             | 1KHZ              | 1.38                                    | 0.38                                        | 0.52                                         |
| SC54-221    | 220                             | 1KHZ              | 1.57                                    | 0.35                                        | 0.48                                         |
|             |                                 |                   |                                         |                                             |                                              |



(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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