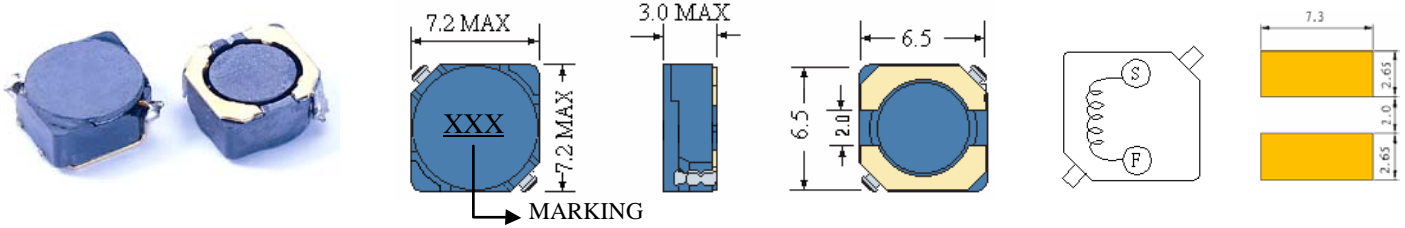


# SCRH6D28

## SMD POWER INDUCTORS



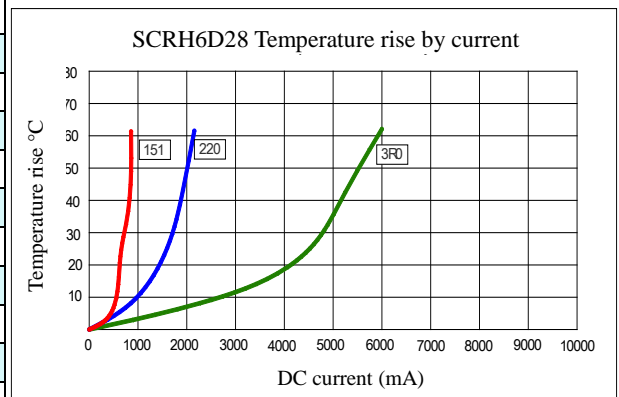
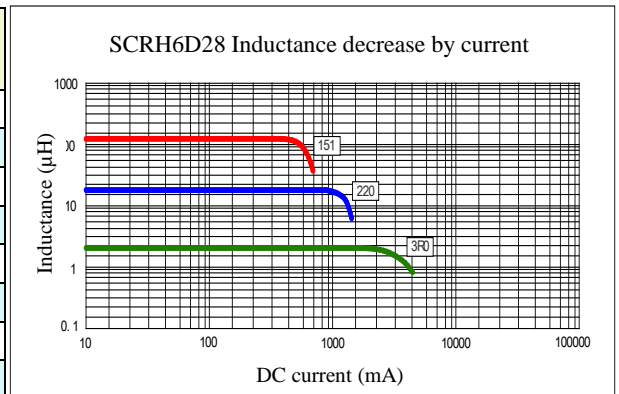
### • Features

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



## CHARACTERISTICS

| Part Number  | Inductance (uH)<br>(1) | Test Frequency | DC Resistance (Ω MAX)<br>(2) | Saturation Current (3)<br>(A) | Temperature Current (4)<br>(A) |
|--------------|------------------------|----------------|------------------------------|-------------------------------|--------------------------------|
| SCRH6D28-3R0 | 3.0                    | 10KHZ          | 24m                          | 3.00                          | 4.70                           |
| SCRH6D28-3R9 | 3.9                    | 10KHZ          | 27m                          | 2.60                          | 4.50                           |
| SCRH6D28-5R0 | 5.0                    | 10KHZ          | 31m                          | 2.40                          | 4.00                           |
| SCRH6D28-6R0 | 6.0                    | 10KHZ          | 35m                          | 2.25                          | 3.60                           |
| SCRH6D28-7R3 | 7.3                    | 10KHZ          | 54m                          | 2.10                          | 3.23                           |
| SCRH6D28-8R6 | 8.6                    | 10KHZ          | 58m                          | 1.85                          | 2.90                           |
| SCRH6D28-100 | 10                     | 10KHZ          | 65m                          | 1.70                          | 2.60                           |
| SCRH6D28-120 | 12                     | 10KHZ          | 70m                          | 1.55                          | 2.34                           |
| SCRH6D28-150 | 15                     | 10KHZ          | 84m                          | 1.40                          | 2.10                           |
| SCRH6D28-180 | 18                     | 10KHZ          | 95m                          | 1.32                          | 1.89                           |
| SCRH6D28-220 | 22                     | 10KHZ          | 128m                         | 1.20                          | 1.70                           |
| SCRH6D28-270 | 27                     | 10KHZ          | 142m                         | 1.05                          | 1.62                           |
| SCRH6D28-330 | 33                     | 10KHZ          | 165m                         | 0.97                          | 1.37                           |
| SCRH6D28-390 | 39                     | 10KHZ          | 210m                         | 0.86                          | 1.23                           |
| SCRH6D28-470 | 47                     | 10KHZ          | 238m                         | 0.80                          | 1.17                           |
| SCRH6D28-560 | 56                     | 10KHZ          | 277m                         | 0.73                          | 1.11                           |
| SCRH6D28-680 | 68                     | 10KHZ          | 304m                         | 0.65                          | 0.99                           |
| SCRH6D28-820 | 82                     | 10KHZ          | 390m                         | 0.60                          | 0.89                           |
| SCRH6D28-101 | 100                    | 10KHZ          | 535m                         | 0.54                          | 0.80                           |
| SCRH6D28-121 | 120                    | 10KHZ          | 580m                         | 0.45                          | 0.72                           |
| SCRH6D28-151 | 150                    | 10KHZ          | 615m                         | 0.42                          | 0.68                           |



- (1). Inductance tolerance  $\pm 30\%$  tested at 0.25V, 0ADC and 25°C
- (2). DCR measured at 25°C.
- (3). The DC current at which the inductance decreases by 35% 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.**