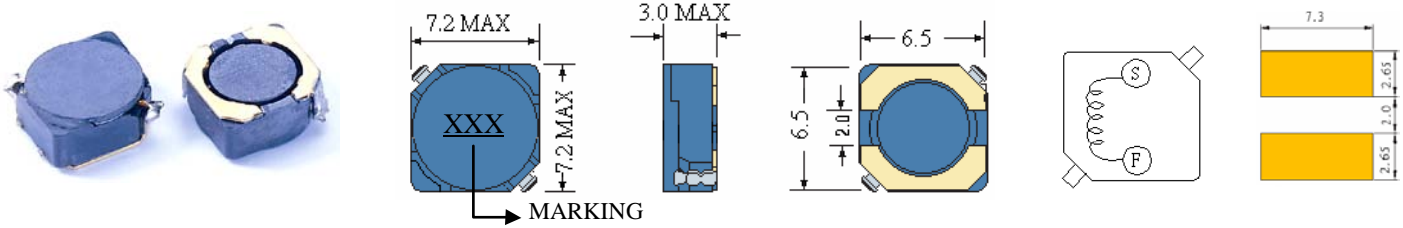


SCRH6D28

SMD POWER INDUCTORS



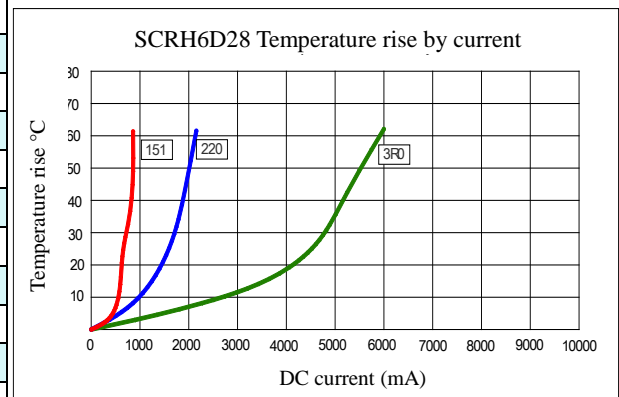
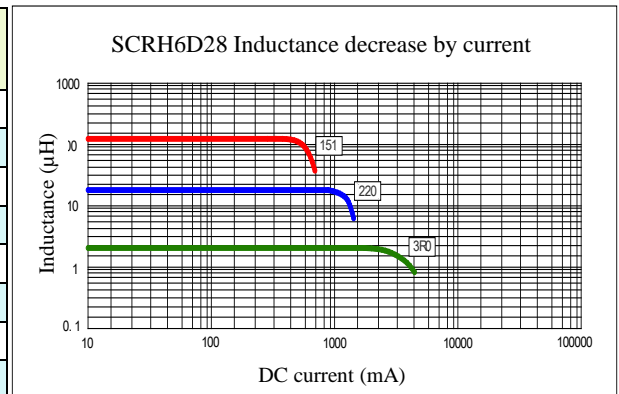
• Features

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



CHARACTERISTICS

| Part Number | Inductance (uH) (1) | Test Frequency | DC Resistance (Ω MAX) (2) | Saturation Current (3) (A) | Temperature Current (4) (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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