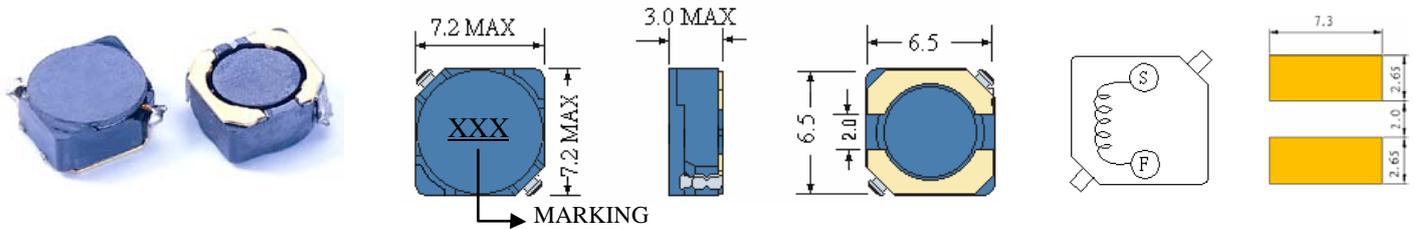


# SCRH6D28

## SMD POWER INDUCTORS

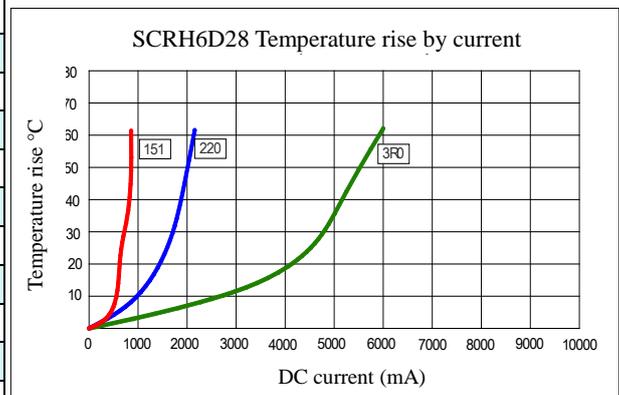
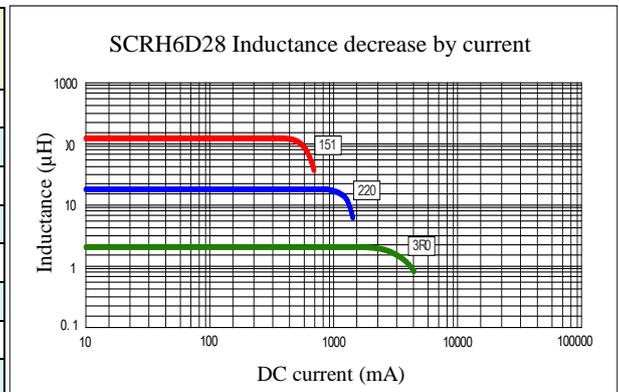


### • Features

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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