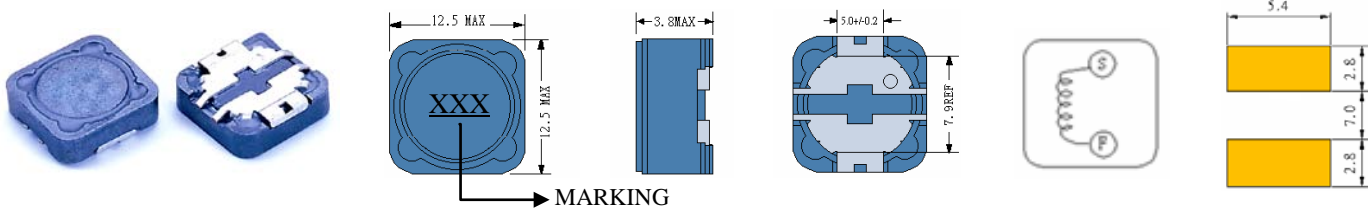


# SCRH123

## SMD POWER INDUCTORS



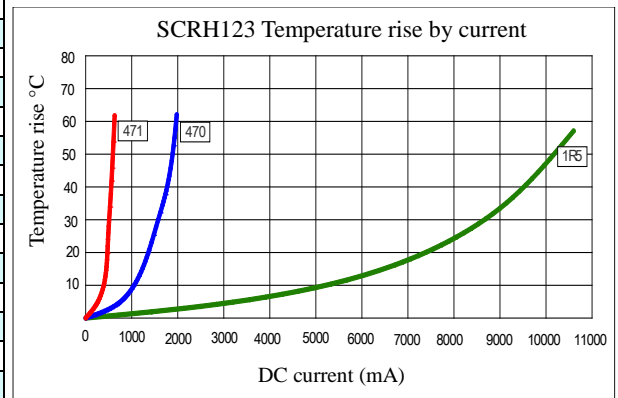
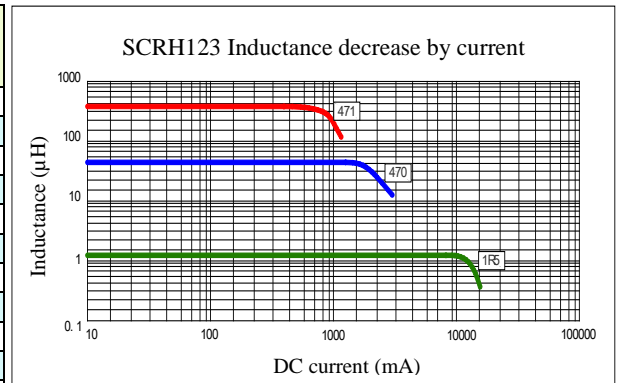
### • Features

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)
SCRH123-1R5	1.5	100KHZ	15m	12.0	8.00
SCRH123-2R2	2.2	100KHZ	18m	10.0	7.20
SCRH123-3R3	3.3	100KHZ	27m	9.30	6.00
SCRH123-4R7	4.7	100KHZ	36m	7.30	5.10
SCRH123-6R2	6.2	100KHZ	47m	6.70	4.59
SCRH123-8R2	8.2	100KHZ	56m	5.80	4.13
SCRH123-100	10	100KHZ	67m	5.00	3.50
SCRH123-120	12	100KHZ	73m	4.90	2.97
SCRH123-150	15	100KHZ	94m	4.20	2.67
SCRH123-180	18	100KHZ	104m	3.80	2.40
SCRH123-220	22	100KHZ	120m	3.50	2.16
SCRH123-270	27	100KHZ	131m	3.20	2.00
SCRH123-330	33	100KHZ	176m	3.00	1.80
SCRH123-390	39	100KHZ	215m	2.60	1.62
SCRH123-470	47	100KHZ	268m	2.30	1.50
SCRH123-560	56	100KHZ	285m	2.20	1.35
SCRH123-680	68	100KHZ	354m	1.90	1.28
SCRH123-820	82	100KHZ	422m	1.80	1.22
SCRH123-100	100	100KHZ	480m	1.60	1.10
SCRH123-120	120	100KHZ	620m	1.40	0.99
SCRH123-150	150	100KHZ	812m	1.30	0.85
SCRH123-180	180	100KHZ	918m	1.20	0.76
SCRH123-220	220	100KHZ	1.06	1.00	0.68
SCRH123-270	270	100KHZ	1.30	0.90	0.62
SCRH123-330	330	100KHZ	1.58	0.83	0.56
SCRH123-390	390	100KHZ	1.95	0.80	0.50
SCRH123-470	470	100KHZ	2.30	0.70	0.45



(1). Inductance tolerance for 1.5uH~8.2uH:  $\pm 30\%$ , for 10uH~470uH:  $\pm 20\%$ . Tested at 0.25V, 0ADC and 25°C

(2). DCR measured at 25°C.

(3). The DC current at which the inductance decreases by 25% 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.

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