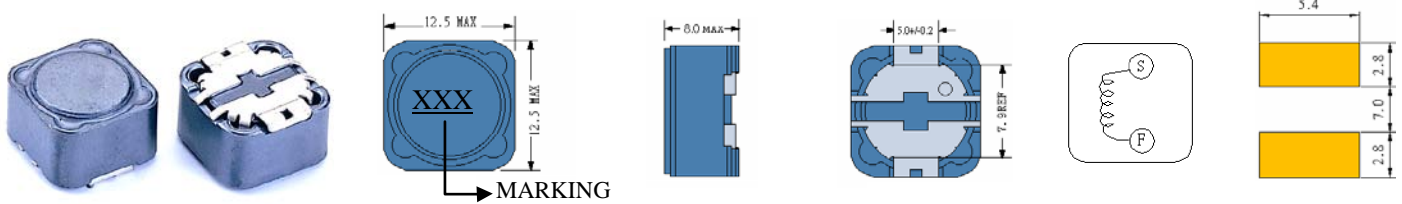


# SCRH127/LD

## SMD POWER INDUCTORS



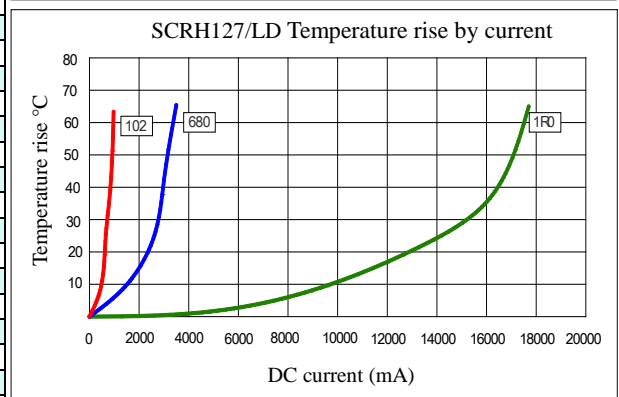
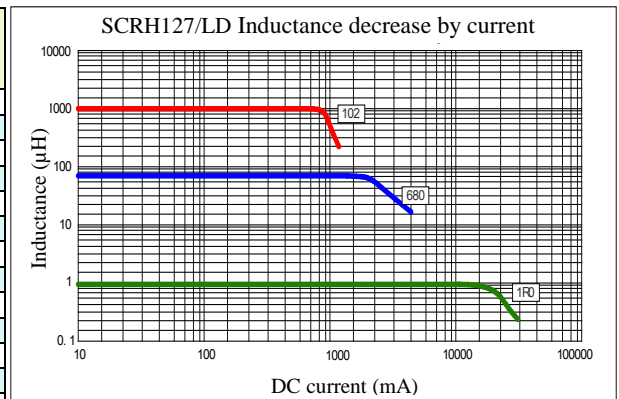
### • Features

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

## ELECTRICAL CHARACTERISTICS



Part Number	Inductance (uH) (1)	Test Frequency	DC Resistance (Ω MAX) (2)	Saturation Current (A) (3)	Temperature Current (A) (4)
SCRH127/LD-1R0	1.0	100KHZ	6.5m	14.0	14.0
SCRH127/LD-2R4	2.4	100KHZ	10.5m	10.3	11.3
SCRH127/LD-3R5	3.5	100KHZ	12.4m	9.30	9.60
SCRH127/LD-4R6	4.6	100KHZ	13.8m	9.10	8.16
SCRH127/LD-5R8	5.8	100KHZ	16.2m	8.60	7.70
SCRH127/LD-7R4	7.4	100KHZ	17.7m	7.40	6.90
SCRH127/LD-100	10	1KHZ	19.5m	6.70	6.21
SCRH127/LD-120	12	1KHZ	21.3m	6.45	5.59
SCRH127/LD-150	15	1KHZ	26.4m	5.65	5.31
SCRH127/LD-180	18	1KHZ	28.0m	5.10	5.04
SCRH127/LD-220	22	1KHZ	36.4m	4.70	4.78
SCRH127/LD-270	27	1KHZ	41.6m	4.20	4.08
SCRH127/LD-330	33	1KHZ	53.3m	3.90	3.67
SCRH127/LD-390	39	1KHZ	60.5m	3.50	3.48
SCRH127/LD-470	47	1KHZ	78.0m	3.25	3.13
SCRH127/LD-560	56	1KHZ	90.0m	2.90	2.97
SCRH127/LD-680	68	1KHZ	120m	2.60	2.67
SCRH127/LD-820	82	1KHZ	130m	2.40	2.40
SCRH127/LD-101	100	1KHZ	151m	2.10	2.16
SCRH127/LD-121	120	1KHZ	169m	1.90	1.95
SCRH127/LD-151	150	1KHZ	227m	1.80	1.76
SCRH127/LD-181	180	1KHZ	299m	1.55	1.58
SCRH127/LD-221	220	1KHZ	338m	1.45	1.42
SCRH127/LD-271	270	1KHZ	419m	1.30	1.28
SCRH127/LD-331	330	1KHZ	471m	1.20	1.16
SCRH127/LD-391	390	1KHZ	572m	1.10	1.04
SCRH127/LD-471	470	1KHZ	741m	1.00	0.93
SCRH127/LD-561	560	1KHZ	852m	0.95	0.84
SCRH127/LD-681	680	1KHZ	1.13	0.85	0.76
SCRH127/LD-821	820	1KHZ	1.24	0.75	0.69
SCRH127/LD-102	1000	1KHZ	1.50	0.70	0.66



(1). Inductance tolerance for 1.0uH~4.7uH:  $\pm 30\%$ , for 10uH~1000uH:  $\pm 20\%$ . 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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