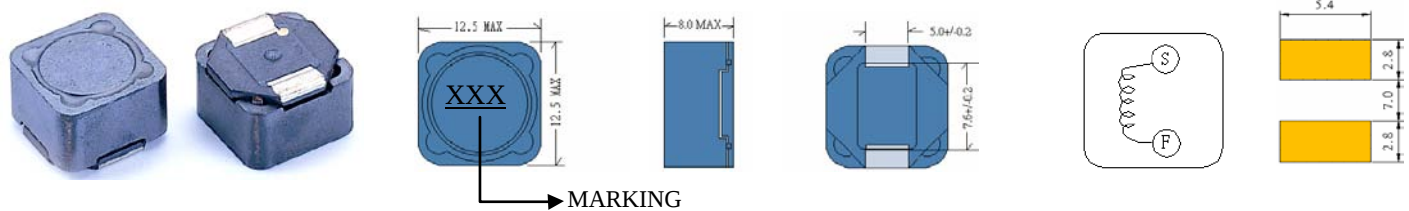


SCRH127B

SMD POWER INDUCTORS



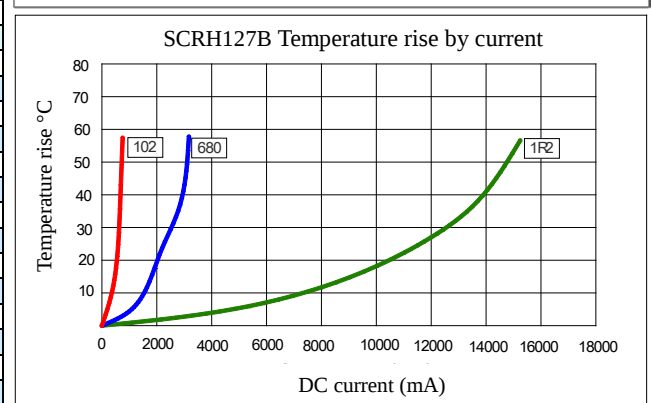
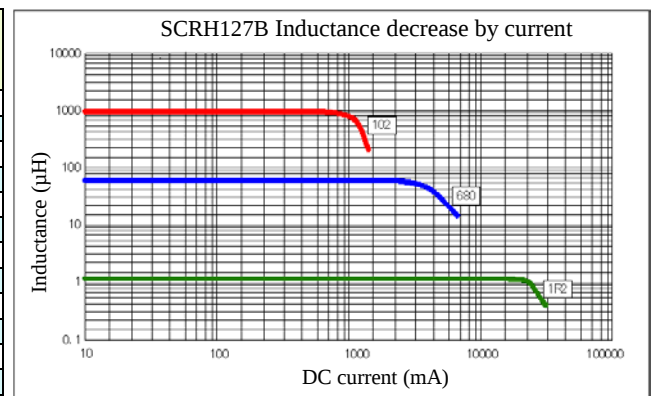
• Features

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 (3) (A)	Temperature Current (4) (A)
SCRH127B-1R2	1.2	100KHZ	7.0m	9.80	12.0
SCRH127B-2R4	2.4	100KHZ	11.5m	8.00	10.8
SCRH127B-3R5	3.5	100KHZ	13.5m	7.50	9.20
SCRH127B-4R7	4.7	100KHZ	15.8m	6.80	7.80
SCRH127B-6R1	6.1	100KHZ	17.6m	6.60	5.80
SCRH127B-7R6	7.6	100KHZ	20.0m	5.90	6.30
SCRH127B-100	10	100KHZ	21.6m	5.40	5.67
SCRH127B-120	12	100KHZ	24.3m	4.90	5.10
SCRH127B-150	15	100KHZ	27.0m	4.50	4.85
SCRH127B-180	18	100KHZ	39.2m	3.90	4.36
SCRH127B-220	22	100KHZ	43.2m	3.60	4.00
SCRH127B-270	27	100KHZ	45.9m	3.40	3.60
SCRH127B-330	33	100KHZ	64.8m	3.00	3.24
SCRH127B-390	39	100KHZ	72.9m	2.75	2.91
SCRH127B-470	47	100KHZ	0.10	2.50	2.62
SCRH127B-560	56	100KHZ	0.11	2.35	2.35
SCRH127B-680	68	100KHZ	0.14	2.10	2.23
SCRH127B-820	82	100KHZ	0.16	1.95	2.00
SCRH127B-101	100	100KHZ	0.22	1.70	1.80
SCRH127B-121	120	100KHZ	0.25	1.60	1.70
SCRH127B-151	150	100KHZ	0.28	1.42	1.60
SCRH127B-181	180	100KHZ	0.35	1.30	1.52
SCRH127B-221	220	100KHZ	0.39	1.16	1.44
SCRH127B-271	270	100KHZ	0.56	1.06	1.36
SCRH127B-331	330	100KHZ	0.64	0.95	1.22
SCRH127B-391	390	100KHZ	0.70	0.88	1.03
SCRH127B-471	470	100KHZ	0.98	0.79	0.92
SCRH127B-561	560	100KHZ	1.07	0.73	0.83
SCRH127B-681	680	100KHZ	1.46	0.67	0.75
SCRH127B-821	820	100KHZ	1.64	0.60	0.68
SCRH127B-102	1000	100KHZ	1.82	0.55	0.61



(1). Inductance tolerance for 1.2uH~7.6uH: +40%,-20% for 10uH~1mH: ±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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