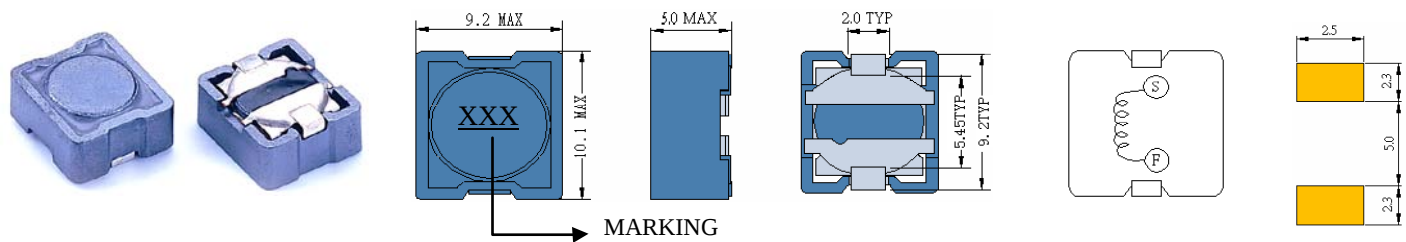


SCRH104

SMD POWER INDUCTORS



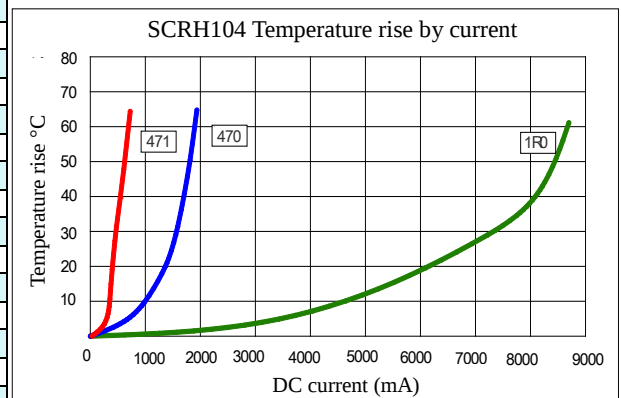
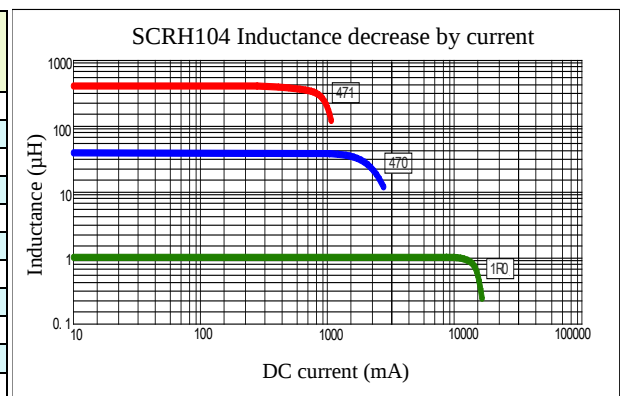
• Features

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)
SCRH104-1R0	1.0	100KHZ	14m	8.50	7.00
SCRH104-1R5	1.5	100KHZ	17m	8.00	5.80
SCRH104-2R2	2.2	100KHZ	24m	7.50	5.20
SCRH104-3R3	3.3	100KHZ	29m	7.00	4.68
SCRH104-4R7	4.7	100KHZ	32m	6.00	4.22
SCRH104-6R8	6.8	100KHZ	44m	5.00	3.60
SCRH104-100	10	100KHZ	50m	2.40	3.40
SCRH104-120	12	100KHZ	54m	2.25	3.00
SCRH104-150	15	100KHZ	69m	2.00	2.70
SCRH104-180	18	100KHZ	84m	1.80	2.40
SCRH104-220	22	100KHZ	94m	1.65	2.16
SCRH104-270	27	100KHZ	0.11	1.45	1.95
SCRH104-330	33	100KHZ	0.15	1.35	1.76
SCRH104-390	39	100KHZ	0.17	1.20	1.59
SCRH104-470	47	100KHZ	0.21	1.10	1.52
SCRH104-560	56	100KHZ	0.23	1.00	1.40
SCRH104-680	68	100KHZ	0.29	0.93	1.17
SCRH104-820	82	100KHZ	0.36	0.84	1.06
SCRH104-101	100	100KHZ	0.41	0.76	0.96
SCRH104-121	120	100KHZ	0.45	0.70	0.87
SCRH104-151	150	100KHZ	0.64	0.63	0.79
SCRH104-181	180	100KHZ	0.84	0.57	0.72
SCRH104-221	220	100KHZ	0.86	0.52	0.65
SCRH104-271	270	100KHZ	1.07	0.47	0.59
SCRH104-331	330	100KHZ	1.37	0.43	0.54
SCRH104-391	390	100KHZ	1.55	0.39	0.49
SCRH104-471	470	100KHZ	1.74	0.36	0.44



(1). Inductance tolerance for 1.0uH~6.8uH: $\pm 30\%$, 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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