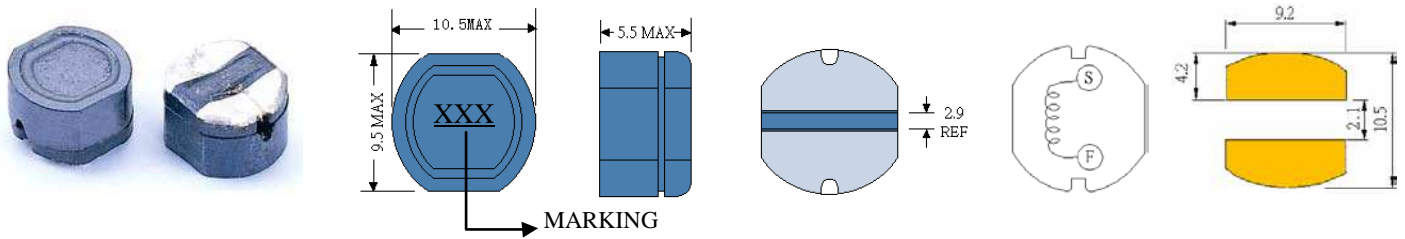


# SCR105B

## SMD POWER INDUCTORS



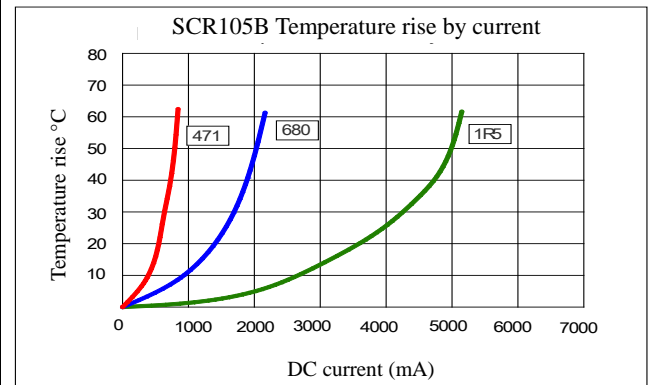
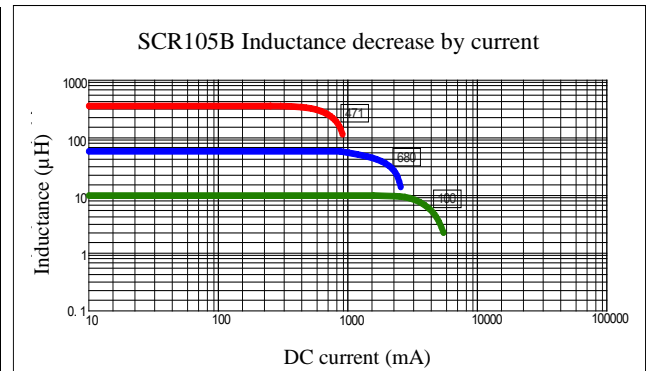
### • Features

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 <sup>(3)</sup> (A)	Temperature Current <sup>(4)</sup> (A)
SCR105B-100	10	7.96KHZ	0.06	2.06	4.40
SCR105B-120	12	7.96KHZ	0.07	1.94	4.00
SCR105B-150	15	7.96KHZ	0.07	1.72	3.60
SCR105B-180	18	7.96KHZ	0.08	1.58	3.24
SCR105B-220	22	7.96KHZ	0.08	1.42	2.92
SCR105B-270	27	7.96KHZ	0.10	1.32	2.63
SCR105B-330	33	2.52KHZ	0.11	1.16	2.37
SCR105B-390	39	2.52KHZ	0.12	1.10	2.14
SCR105B-470	47	2.52KHZ	0.14	1.00	1.93
SCR105B-560	56	2.52KHZ	0.19	0.93	1.74
SCR105B-680	68	2.52KHZ	0.21	0.85	1.66
SCR105B-820	82	2.52KHZ	0.28	0.79	1.57
SCR105B-101	100	1KHZ	0.34	0.72	1.42
SCR105B-121	120	1KHZ	0.37	0.63	1.28
SCR105B-151	150	1KHZ	0.51	0.55	1.16
SCR105B-181	180	1KHZ	0.57	0.50	1.05
SCR105B-221	220	1KHZ	0.78	0.47	0.90
SCR105B-271	270	1KHZ	0.87	0.41	0.86
SCR105B-331	330	1KHZ	1.20	0.37	0.78
SCR105B-391	390	1KHZ	1.34	0.35	0.70
SCR105B-471	470	1KHZ	1.50	0.33	0.63



- (1). Inductance tolerance  $\pm 20\%$  tested at 0.25V, 0ADC and 25°C
- (2). DCR measured at 25°C.
- (3). The DC current at which the inductance decreases by 10% 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.**