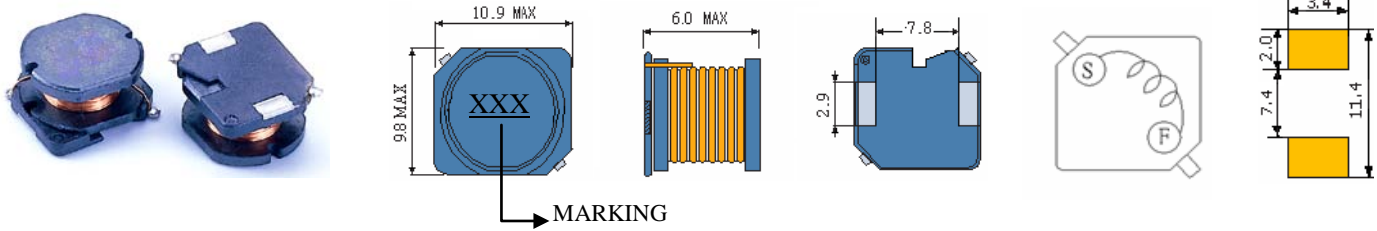


# SC105B

## SMD POWER INDUCTORS



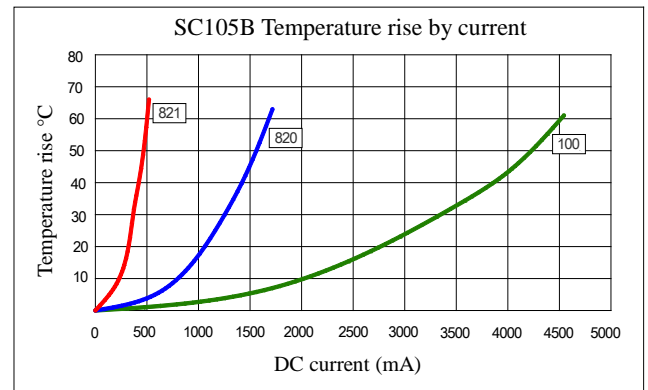
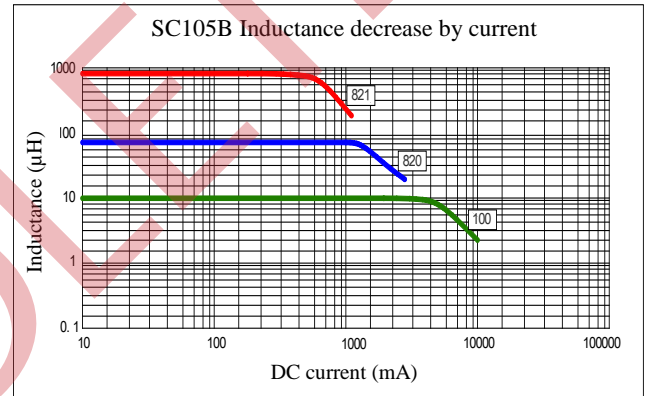
### • Features

1. Open frame construction
2. Excellent Power Density
3. Engineered to Provide High Efficiency

## ELECTRICAL CHARACTERISTICS



Part Number	Inductance (uH) <sup>(1)</sup>	Test Frequency	DC Resistance (Ω MAX) <sup>(2)</sup>	Saturation Current <sup>(3)</sup> (A)	Temperature Current <sup>(4)</sup> (A)
SC105B-100	10	2.52MHZ	60m	2.60	3.50
SC105B-120	12	2.52MHZ	70m	2.45	3.20
SC105B-150	15	2.52MHZ	80m	2.27	2.90
SC105B-180	18	2.52MHZ	90m	2.15	2.60
SC105B-220	22	2.52MHZ	100m	1.95	2.40
SC105B-270	27	2.52MHZ	136m	1.76	2.10
SC105B-330	33	2.52MHZ	160m	1.50	1.90
SC105B-390	39	2.52MHZ	175m	1.37	1.80
SC105B-470	47	2.52MHZ	210m	1.28	1.60
SC105B-560	56	2.52MHZ	250m	1.17	1.45
SC105B-680	68	2.52MHZ	285m	1.11	1.35
SC105B-820	82	2.52MHZ	333m	1.00	1.30
SC105B-101	100	1KHZ	370m	0.97	1.20
SC105B-121	120	1KHZ	430m	0.89	1.08
SC105B-151	150	1KHZ	550m	0.78	0.96
SC105B-181	180	1KHZ	630m	0.72	0.86
SC105B-221	220	1KHZ	730m	0.66	0.82
SC105B-271	270	1KHZ	970m	0.57	0.72
SC105B-331	330	1KHZ	1.26	0.52	0.66
SC105B-391	390	1KHZ	1.30	0.48	0.58
SC105B-471	470	1KHZ	1.70	0.42	0.52
SC105B-561	560	1KHZ	1.90	0.33	0.47
SC105B-681	680	1KHZ	2.60	0.28	0.43
SC105B-821	820	1KHZ	3.10	0.24	0.39



- (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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