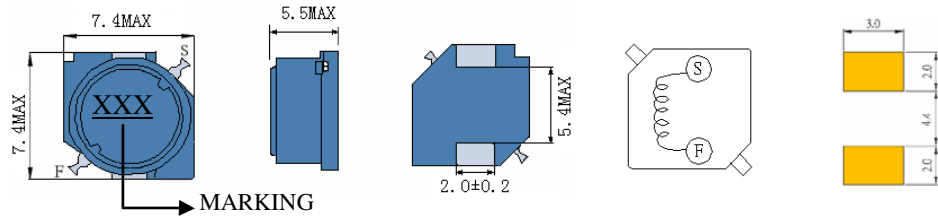


# SCB75C

## SMD POWER INDUCTORS



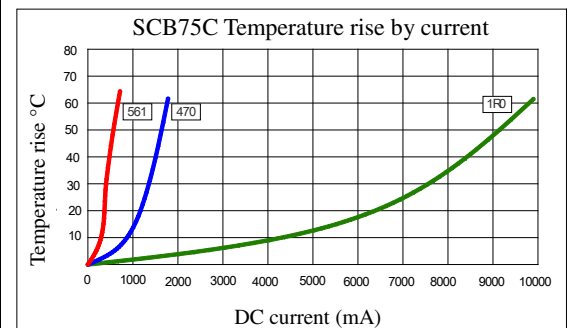
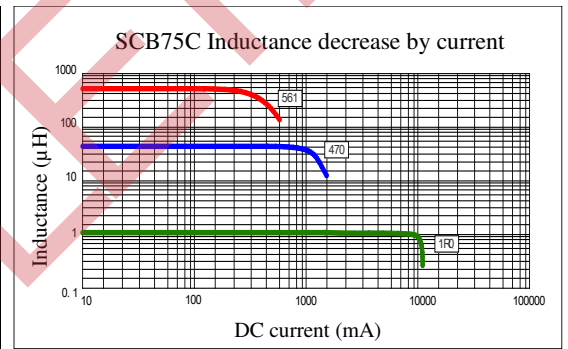
### • Features

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)
SCB75C-1R0	1.0	1KHZ	23m	2.88	7.00
SCB75C-1R5	1.5	1KHZ	27m	2.61	6.30
SCB75C-2R2	2.2	1KHZ	30m	2.46	4.84
SCB75C-3R3	3.3	1KHZ	35m	2.28	3.80
SCB75C-4R7	4.7	1KHZ	41m	2.08	3.42
SCB75C-6R8	6.8	1KHZ	47m	1.94	3.07
SCB75C-100	10	1KHZ	50m	1.68	2.60
SCB75C-120	12	1KHZ	70m	1.54	2.34
SCB75C-150	15	1KHZ	80m	1.39	2.10
SCB75C-180	18	1KHZ	90m	1.26	1.89
SCB75C-220	22	1KHZ	0.11	1.13	1.70
SCB75C-270	27	1KHZ	0.15	1.02	1.62
SCB75C-330	33	1KHZ	0.17	0.84	1.52
SCB75C-390	39	1KHZ	0.20	0.80	1.36
SCB75C-470	47	1KHZ	0.23	0.76	1.27
SCB75C-560	56	1KHZ	0.28	0.64	1.20
SCB75C-680	68	1KHZ	0.32	0.60	1.14
SCB75C-820	82	1KHZ	0.39	0.57	1.08
SCB75C-101	100	1KHZ	0.44	0.50	0.96
SCB75C-121	120	1KHZ	0.48	0.47	0.91
SCB75C-151	150	1KHZ	0.73	0.40	0.81
SCB75C-181	180	1KHZ	0.78	0.39	0.72
SCB75C-221	220	1KHZ	0.94	0.33	0.64
SCB75C-271	270	1KHZ	1.25	0.31	0.58
SCB75C-331	330	1KHZ	1.40	0.27	0.49
SCB75C-391	390	1KHZ	1.52	0.27	0.44
SCB75C-471	470	1KHZ	1.90	0.25	0.42
SCB75C-561	560	1KHZ	2.39	0.22	0.40



- (1). Inductance tolerance for 1.0uH~6.8uH:  $\pm 30\%$ , for 10uH~560uH:  $\pm 20\%$ . 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.

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