



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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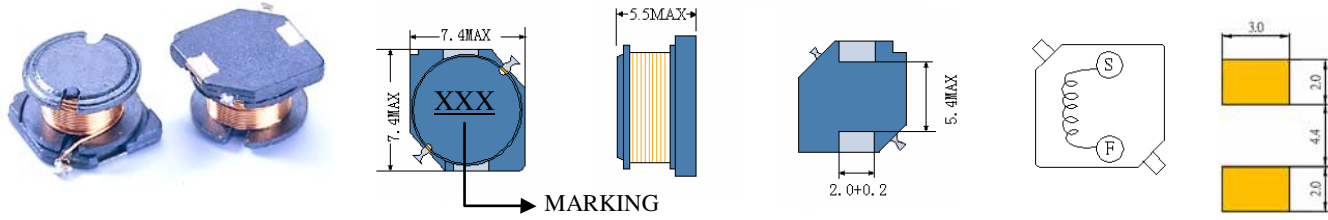
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SCB75F

SMD POWER INDUCTORS



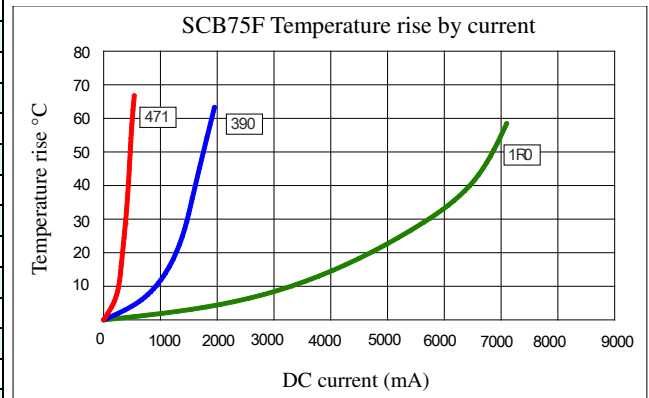
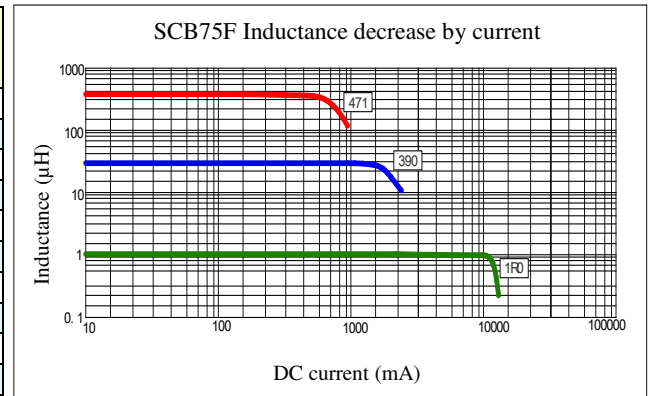
• Features

1. Open frame 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)
SCB75F-1R0	1.0	1KHZ	23m	2.88	5.50
SCB75F-1R5	1.5	1KHZ	28m	2.56	5.00
SCB75F-2R2	2.2	1KHZ	32m	2.36	4.20
SCB75F-3R3	3.3	1KHZ	38m	2.16	3.80
SCB75F-4R7	4.7	1KHZ	49m	1.88	3.50
SCB75F-6R8	6.8	1KHZ	60m	1.68	3.24
SCB75F-100	10	1KHZ	70m	1.56	2.70
SCB75F-120	12	1KHZ	80m	1.44	2.50
SCB75F-150	15	1KHZ	90m	1.36	2.30
SCB75F-180	18	1KHZ	0.10	1.28	2.10
SCB75F-220	22	1KHZ	0.12	1.17	1.90
SCB75F-270	27	1KHZ	0.14	1.07	1.70
SCB75F-330	33	1KHZ	0.18	1.00	1.55
SCB75F-390	39	1KHZ	0.21	0.91	1.40
SCB75F-470	47	1KHZ	0.25	0.84	1.30
SCB75F-560	56	1KHZ	0.29	0.72	1.22
SCB75F-680	68	1KHZ	0.34	0.66	1.14
SCB75F-820	82	1KHZ	0.46	0.58	1.00
SCB75F-101	100	1KHZ	0.55	0.51	0.85
SCB75F-121	120	1KHZ	0.67	0.42	0.78
SCB75F-151	150	1KHZ	0.90	0.37	0.68
SCB75F-181	180	1KHZ	1.05	0.35	0.60
SCB75F-221	220	1KHZ	1.35	0.29	0.50
SCB75F-271	270	1KHZ	1.55	0.28	0.47
SCB75F-331	330	1KHZ	2.05	0.23	0.44
SCB75F-391	390	1KHZ	2.30	0.215	0.41
SCB75F-471	470	1KHZ	2.60	0.195	0.38



- (1). Inductance tolerance for 1.0uH~3.3uH: $\pm 30\%$, for 4.7uH~100uH: $\pm 20\%$, for 120uH~470uH: $\pm 10\%$. 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.