



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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

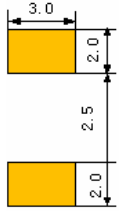
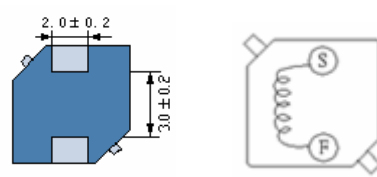
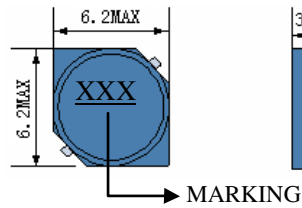
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# SCB63C

## SMD POWER INDUCTORS



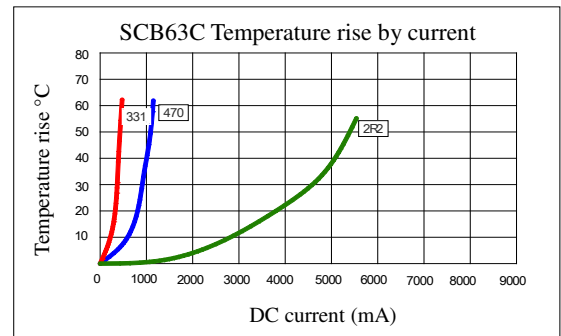
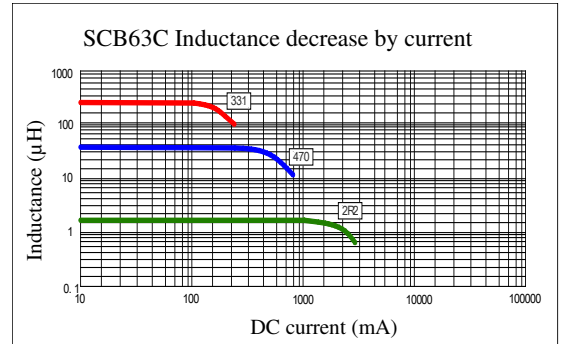
### • Features

1. Magnetically shielded construction
2. Excellent Power Density
3. Engineered to Provide High Efficiency

## CHARACTERISTICS



Part Number 料號	Inductance (uH) (1)	Test Frequency	DC Resistance (Ω MAX) (2)	Saturation Current (A)	Temperature Current (A) (4)
SCB63C-2R2	2.2	1KHZ	39m	1.60	3.80
SCB63C-3R3	3.3	1KHZ	49m	1.40	3.00
SCB63C-4R7	4.7	1KHZ	63m	1.15	2.70
SCB63C-6R8	6.8	1KHZ	75m	0.90	2.40
SCB63C-100	10	1KHZ	94m	0.80	2.00
SCB63C-120	12	1KHZ	115m	0.60	1.80
SCB63C-150	15	1KHZ	135m	0.59	1.62
SCB63C-180	18	1KHZ	152m	0.57	1.45
SCB63C-220	22	1KHZ	191m	0.53	1.30
SCB63C-270	27	1KHZ	214m	0.44	1.17
SCB63C-330	33	1KHZ	259m	0.42	1.12
SCB63C-390	39	1KHZ	299m	0.33	1.00
SCB63C-470	47	1KHZ	356m	0.32	0.95
SCB63C-560	56	1KHZ	401m	0.30	0.90
SCB63C-680	68	1KHZ	473m	0.27	0.80
SCB63C-820	82	1KHZ	572m	0.25	0.70
SCB63C-101	100	1KHZ	670m	0.24	0.63
SCB63C-121	120	1KHZ	860m	0.23	0.56
SCB63C-151	150	1KHZ	990m	0.20	0.53
SCB63C-181	180	1KHZ	1.27	0.14	0.48
SCB63C-221	220	1KHZ	1.80	0.13	0.41
SCB63C-271	270	1KHZ	1.96	0.12	0.36
SCB63C-331	330	1KHZ	2.32	0.11	0.34



- (1). Inductance tolerance for 2.2uH~6.8uH:  $\pm 30\%$ , for 10uH~330uH:  $\pm 20\%$ . 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.