



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

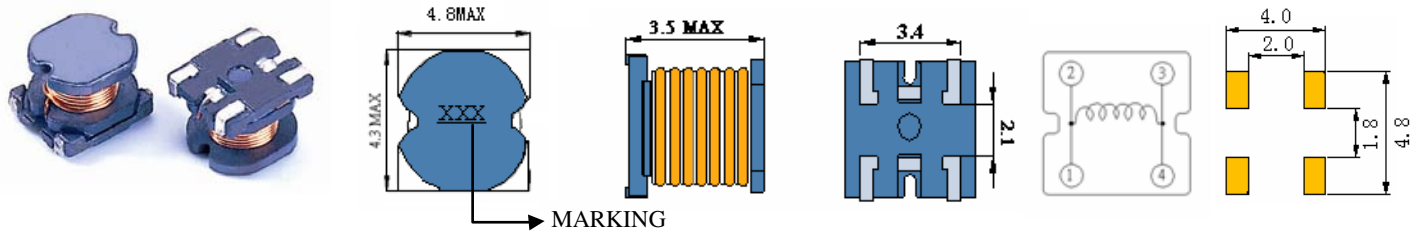
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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



# SC43B

## SMD POWER INDUCTORS



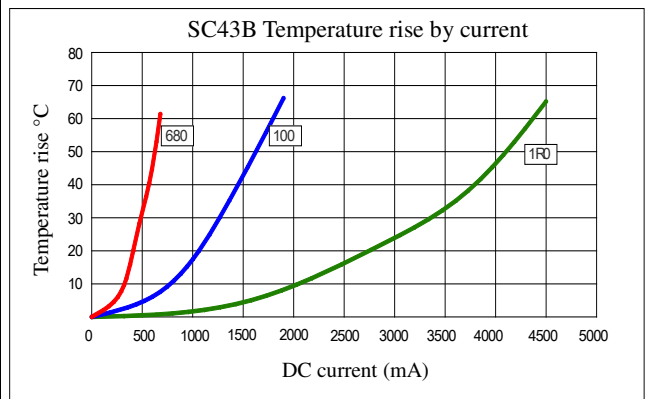
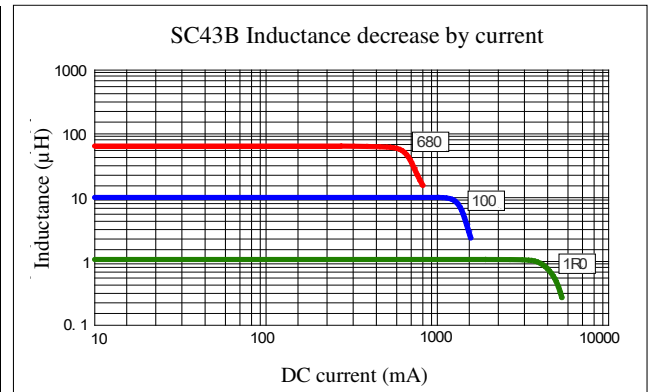
### • Features

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)
SC43B-1R0	1.0	7.96MHZ	48m	2.56	3.10
SC43B-1R4	1.4	7.96MHZ	56m	2.20	3.00
SC43B-1R8	1.8	7.96MHZ	63m	2.00	2.80
SC43B-2R2	2.2	7.96MHZ	71m	1.75	2.70
SC43B-2R7	2.7	7.96MHZ	78m	1.58	2.60
SC43B-3R3	3.3	7.96MHZ	86m	1.44	2.30
SC43B-3R9	3.9	7.96MHZ	93m	1.33	2.00
SC43B-4R7	4.7	7.96MHZ	108m	1.22	1.80
SC43B-5R6	5.6	7.96MHZ	125m	1.15	1.60
SC43B-6R8	6.8	7.96MHZ	131m	1.00	1.55
SC43B-8R2	8.2	7.96MHZ	146m	0.92	1.45
SC43B-100	10	2.52MHZ	182m	0.84	1.30
SC43B-120	12	2.52MHZ	210m	0.77	1.23
SC43B-150	15	2.52MHZ	235m	0.69	1.13
SC43B-180	18	2.52MHZ	338m	0.65	1.00
SC43B-220	22	2.52MHZ	378m	0.58	0.92
SC43B-270	27	2.52MHZ	522m	0.52	0.83
SC43B-330	33	2.52MHZ	540m	0.48	0.74
SC43B-390	39	2.52MHZ	587m	0.42	0.66
SC43B-470	47	2.52MHZ	844m	0.39	0.57
SC43B-560	56	2.52MHZ	937m	0.35	0.50
SC43B-680	68	2.52MHZ	1.117	0.33	0.45



(1). Inductance tolerance for 1.0uH:  $\pm 30\%$ , for 1.4uH~68uH:  $\pm 20\%$ . 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.**