



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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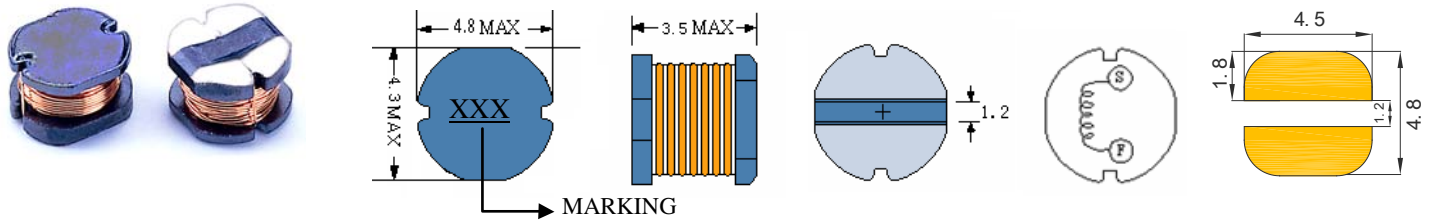
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SC43

SMD POWER INDUCTORS



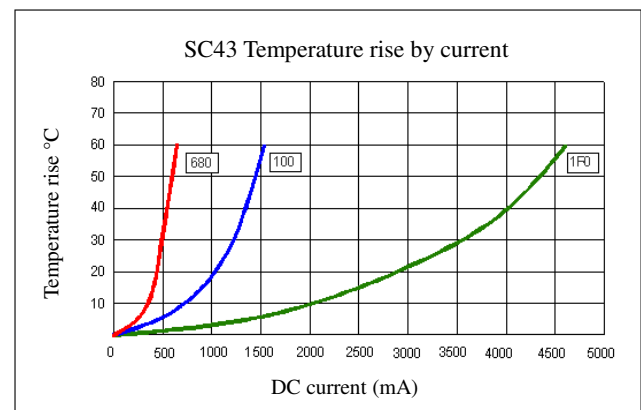
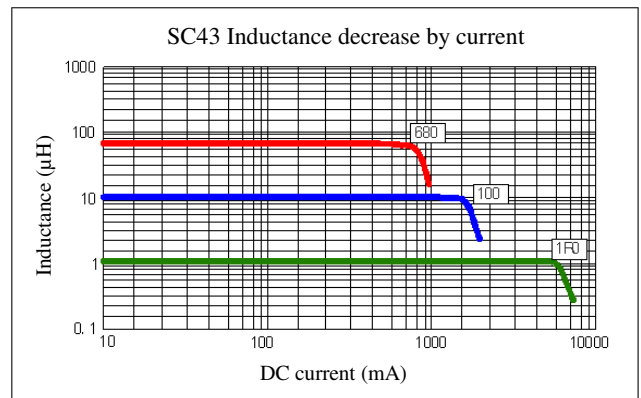
• Features

1. Open frame construction.



ELECTRICAL CHARACTERISTICS

Part Number	Inductance (uH) (1)	Test Frequency	DC Resistance (Ω MAX) (2)	Saturation Current ⁽³⁾ (A)	Temperature Current ⁽⁴⁾ (A)
SC43-1R0	1.0	7.96MHZ	33m	3.80	3.20
SC43-1R4	1.4	7.96MHZ	38m	3.30	3.10
SC43-1R8	1.8	7.96MHZ	42m	2.91	2.90
SC43-2R2	2.2	7.96MHZ	47m	2.60	2.70
SC43-2R7	2.7	7.96MHZ	52m	2.43	2.50
SC43-3R3	3.3	7.96MHZ	58m	2.15	2.15
SC43-3R9	3.9	7.96MHZ	76m	1.98	1.98
SC43-4R7	4.7	7.96MHZ	94m	1.70	1.72
SC43-5R6	5.6	7.96MHZ	101m	1.60	1.68
SC43-6R8	6.8	7.96MHZ	117m	1.41	1.58
SC43-8R2	8.2	7.96MHZ	132m	1.26	1.40
SC43-100	10	2.52MHZ	182m	1.15	1.25
SC43-120	12	2.52MHZ	210m	1.05	1.20
SC43-150	15	2.52MHZ	235m	0.92	1.10
SC43-180	18	2.52MHZ	338m	0.84	0.95
SC43-220	22	2.52MHZ	378m	0.76	0.86
SC43-270	27	2.52MHZ	522m	0.71	0.74
SC43-330	33	2.52MHZ	540m	0.64	0.72
SC43-390	39	2.52MHZ	587m	0.59	0.64
SC43-470	47	2.52MHZ	844m	0.54	0.60
SC43-560	56	2.52MHZ	937m	0.50	0.54
SC43-680	68	2.52MHZ	1117m	0.46	0.48



(1). Inductance tolerance for 1.0uH: ±30%, for 1.4uH~68uH: ±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.