



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

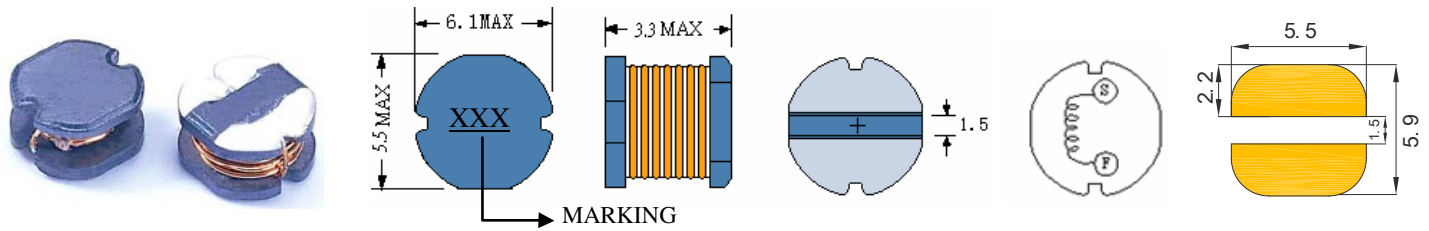
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## SMD POWER INDUCTORS



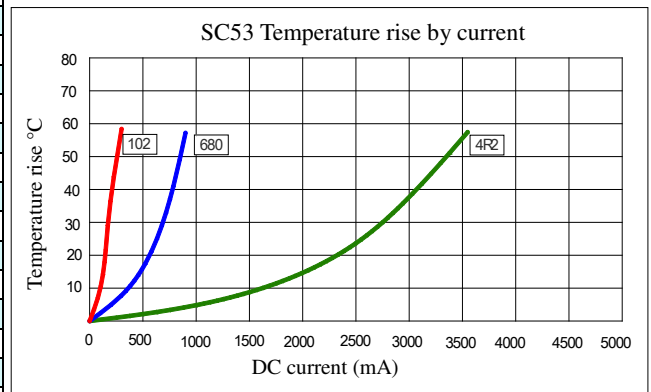
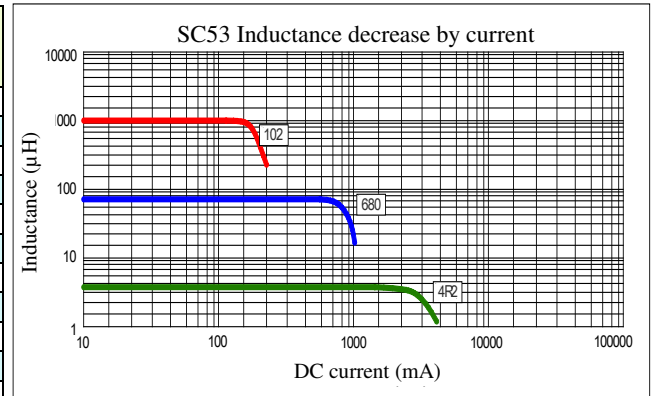
- Features

1. Open frame construction.



## 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)
SC53-4R2	4.2	7.96MHZ	70m	1.85	2.60
SC53-6R2	6.2	7.96MHZ	85m	1.75	2.20
SC53-100	10	2.52MHZ	0.11	1.30	1.85
SC53-120	12	2.52MHZ	0.13	1.23	1.60
SC53-150	15	2.52MHZ	0.16	1.10	1.50
SC53-180	18	2.52MHZ	0.18	1.05	1.40
SC53-220	22	2.52MHZ	0.23	0.93	1.30
SC53-270	27	2.52MHZ	0.25	0.84	1.20
SC53-330	33	2.52MHZ	0.30	0.76	1.02
SC53-390	39	2.52MHZ	0.35	0.68	0.95
SC53-470	47	2.52MHZ	0.43	0.63	0.85
SC53-560	56	2.52MHZ	0.54	0.59	0.78
SC53-680	68	2.52MHZ	0.59	0.53	0.70
SC53-820	82	2.52MHZ	0.72	0.48	0.62
SC53-101	100	1KHZ	0.92	0.45	0.56
SC53-121	120	1KHZ	1.01	0.42	0.52
SC53-151	150	1KHZ	1.3	0.38	0.46
SC53-181	180	1KHZ	1.6	0.35	0.40
SC53-221	220	1KHZ	1.8	0.32	0.38
SC53-271	270	1KHZ	2.4	0.30	0.35
SC53-331	330	1KHZ	3.2	0.28	0.31
SC53-391	390	1KHZ	3.5	0.26	0.29
SC53-471	470	1KHZ	4.2	0.20	0.25
SC53-561	560	1KHZ	4.9	0.19	0.22
SC53-681	680	1KHZ	6.7	0.18	0.20
SC53-821	820	1KHZ	7.8	0.15	0.18
SC53-102	1000	1KHZ	8.8	0.13	0.17



(1). Inductance tolerance  $\pm 20\%$  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.**