



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

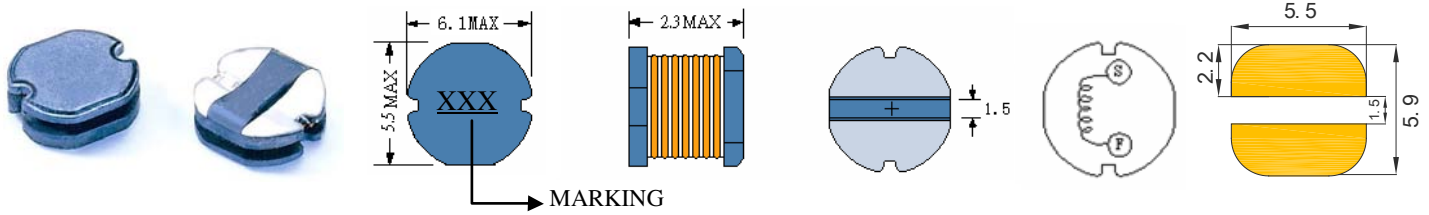
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

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

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



SMD POWER INDUCTORS



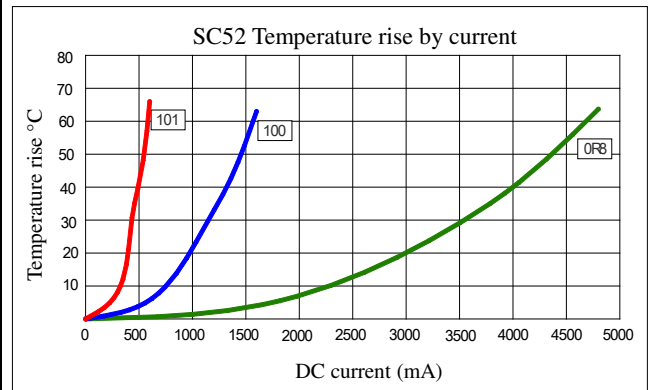
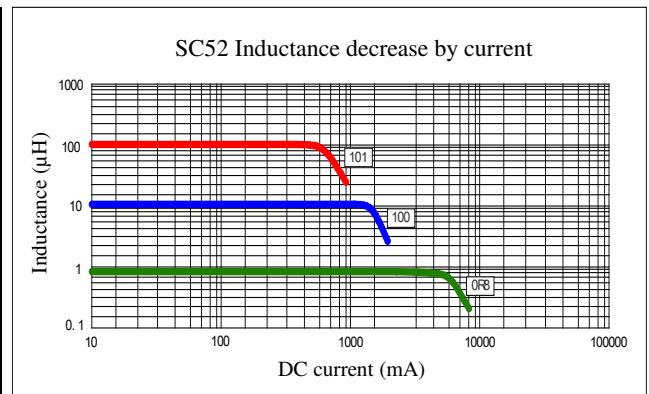
- Features

1. Open frame construction.

CHARACTERISTICS



Part Number	Inductance (uH) (1)	Test Frequency	DC Resistance (Ω MAX) (2)	Saturation Current (A) (3)	Temperature Current (A) (4)
SC52-R80	0.8	7.96MHZ	29m	3.00	3.50
SC52-1R2	1.2	7.96MHZ	36m	2.80	3.30
SC52-1R8	1.8	7.96MHZ	54m	2.40	2.50
SC52-2R2	2.2	7.96MHZ	56m	2.20	2.30
SC52-3R3	3.3	7.96MHZ	74m	2.00	2.00
SC52-3R9	3.9	7.96MHZ	84m	1.80	1.80
SC52-4R7	4.7	7.96MHZ	108m	1.66	1.65
SC52-5R6	5.6	7.96MHZ	118m	1.53	1.50
SC52-6R8	6.8	7.96MHZ	128m	1.39	1.40
SC52-8R2	8.2	7.96MHZ	156m	1.20	1.32
SC52-100	10	2.52MHZ	200m	1.15	1.15
SC52-120	12	2.52MHZ	210m	1.02	1.05
SC52-150	15	2.52MHZ	270m	0.88	0.96
SC52-180	18	2.52MHZ	325m	0.80	0.88
SC52-220	22	2.52MHZ	400m	0.74	0.84
SC52-270	27	2.52MHZ	470m	0.66	0.78
SC52-330	33	2.52MHZ	580m	0.62	0.70
SC52-390	39	2.52MHZ	660m	0.56	0.64
SC52-470	47	2.52MHZ	767m	0.53	0.58
SC52-560	56	2.52MHZ	1.020	0.49	0.54
SC52-680	68	2.52MHZ	1.165	0.44	0.50
SC52-820	82	2.52MHZ	1.370	0.40	0.47
SC52-101	100	1KHZ	1.440	0.37	0.44



(1). Inductance tolerance for 0.8uH: $\pm 30\%$, for 1.2uH~100uH: $\pm 20\%$. 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.