



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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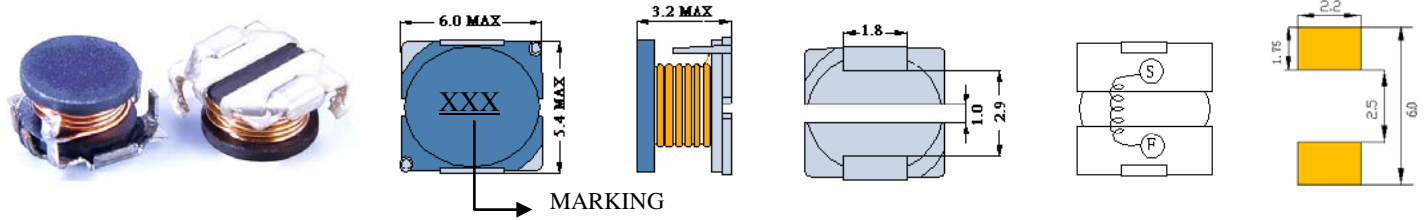
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# SCH53

## SMD POWER INDUCTORS



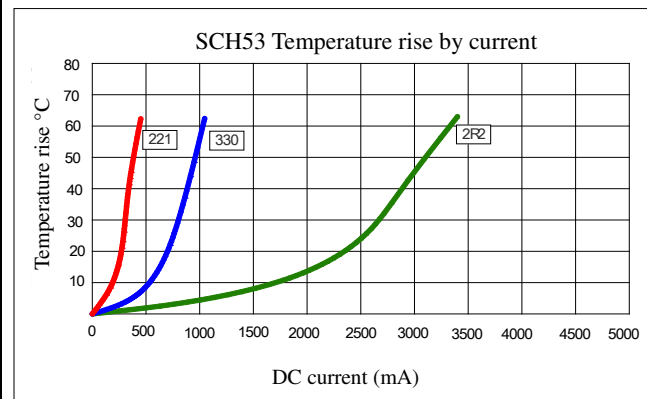
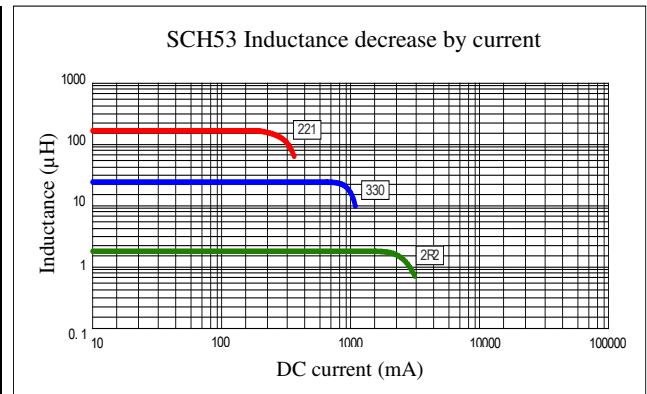
### • Features

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 <sup>(3)</sup> (A)	Temperature Current <sup>(4)</sup> (A)
SCH53-2R2	2.2	7.96KHZ	66m	2.03	2.60
SCH53-3R3	3.3	7.96KHZ	88m	1.88	2.30
SCH53-4R7	4.7	7.96KHZ	96m	1.68	2.00
SCH53-100	10	1KHZ	0.16	1.23	1.50
SCH53-120	12	1KHZ	0.18	1.12	1.35
SCH53-150	15	1KHZ	0.25	1.00	1.20
SCH53-180	18	1KHZ	0.28	0.88	1.10
SCH53-220	22	1KHZ	0.39	0.80	1.05
SCH53-270	27	1KHZ	0.42	0.72	0.90
SCH53-330	33	1KHZ	0.49	0.67	0.80
SCH53-390	39	1KHZ	0.55	0.64	0.76
SCH53-470	47	1KHZ	0.77	0.53	0.70
SCH53-560	56	1KHZ	0.87	0.50	0.58
SCH53-680	68	1KHZ	1.21	0.45	0.50
SCH53-820	82	1KHZ	1.34	0.39	0.47
SCH53-101	100	1KHZ	1.57	0.37	0.43
SCH53-121	120	1KHZ	1.80	0.34	0.42
SCH53-151	150	1KHZ	2.40	0.31	0.39
SCH53-181	180	1KHZ	2.66	0.30	0.33
SCH53-221	220	1KHZ	3.73	0.26	0.30



- (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.