



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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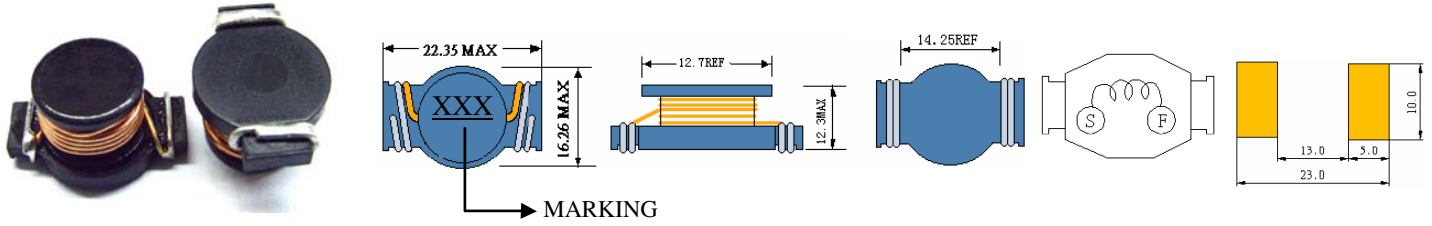
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# SC5040FH

## SMD POWER INDUCTORS



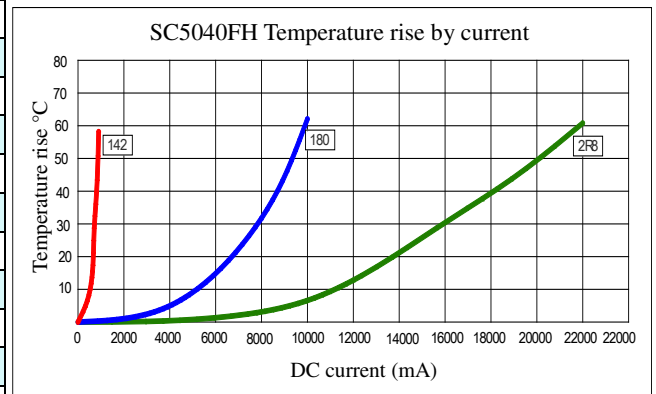
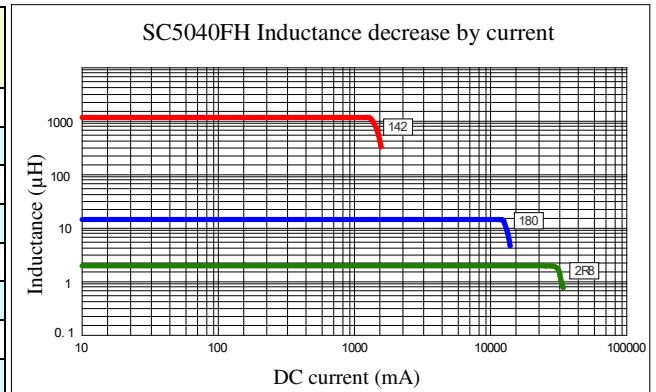
### • Features

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 (A)	Temperature Current (4) (A)
SC5040FH-2R8	2.8	100KHZ	5.2m	33.4	16.0
SC5040FH-3R9	3.9	100KHZ	6.0m	26.8	14.0
SC5040FH-6R8	6.8	100KHZ	9.0m	21.5	11.5
SC5040FH-100	10	100KHZ	14.1m	17.8	10.0
SC5040FH-120	12	100KHZ	15.5m	15.9	8.5
SC5040FH-150	15	100KHZ	20m	13.8	7.5
SC5040FH-180	18	100KHZ	22m	13.2	6.8
SC5040FH-220	22	100KHZ	24m	11.8	5.2
SC5040FH-330	33	100KHZ	37m	9.6	4.4
SC5040FH-470	47	100KHZ	52m	7.8	4.1
SC5040FH-680	68	100KHZ	67m	6.7	3.4
SC5040FH-101	100	100KHZ	115m	5.6	3.2
SC5040FH-331	330	100KHZ	325m	3.0	1.8
SC5040FH-681	680	100KHZ	780m	2.0	1.1
SC5040FH-142	1400	100KHZ	1.59	1.5	0.7



(1). Inductance tolerance for 2.8uH~100uH:  $\pm 30\%$ , for 330uH~1400uH:  $\pm 20\%$ . 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.