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.

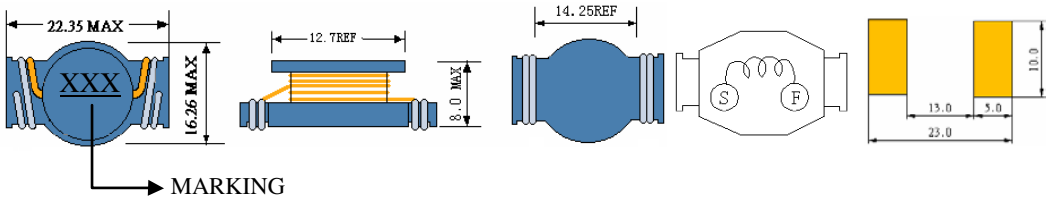
We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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

SC5022FH

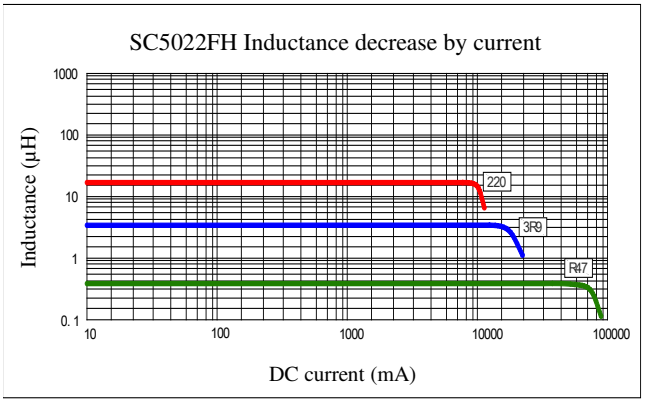
SMD POWER INDUCTORS

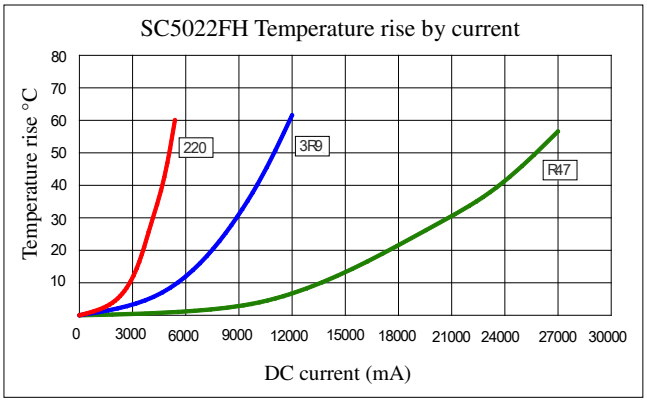


● Features
1. Open frame construction
2 Excellent Power Density
3 Engineered to Provide High Efficiency

ELECTRICAL CHARACTERISTICS

Part Number	Inductance (uH) (1)	Test Frequency	DCResistance (Ω MAX) (2)	Saturation Current (3) (A)	Temperature Current (4) (A)
SC5022FH-R47	0.47	100KHZ	2.0m	40	20.0
SC5022FH-R82	0.82	100KHZ	2.6m	30	17.0
SC5022FH-1R5	1.5	100KHZ	4.0m	25	14.2
SC5022FH-2R2	2.2	100KHZ	6.1m	20	12.0
SC5022FH-2R7	2.7	100KHZ	8.0m	18	10.0
SC5022FH-3R3	3.3	100KHZ	9.0m	17	9.4
SC5022FH-3R9	3.9	100KHZ	10m	15	9.0
SC5022FH-4R7	4.7	100KHZ	14m	13	8.0
SC5022FH-6R8	6.8	100KHZ	18m	12	6.5
SC5022FH-100	10	100KHZ	26m	10	6.0
SC5022FH-150	15	100KHZ	32m	8.0	4.8
SC5022FH-220	22	100KHZ	50m	7.6	3.6





(1). Inductance tolerance for 0.47uH~4.7uH: ±30%, for 6.8uH~220uH: ±20%. Tested at 0.25V, 0ADC and 25℃.
(2). DCR measured at 25℃.
(3). The DC current at which the inductance decreases by 10% from its initial value.
(4). The DC current that results in a 40℃ temperature rise from 25℃ ambient.

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Signal Transformer
www.signaltransformer.com
500 Bayview Avenue, Inwood, NY 11096
Toll Free 866-239-5777 • Tel 516-239-5777 • Fax 516-239-7208
Sales@signaltransformer.com • techhelp@signaltransformer.com