



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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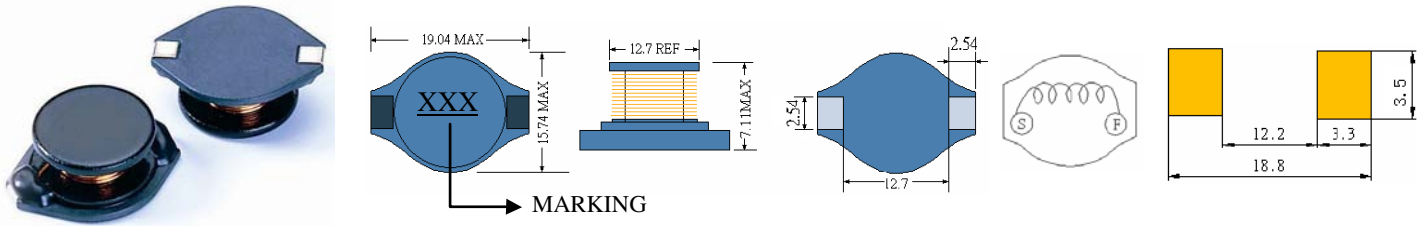
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# SC5022F

## SMD POWER INDUCTORS



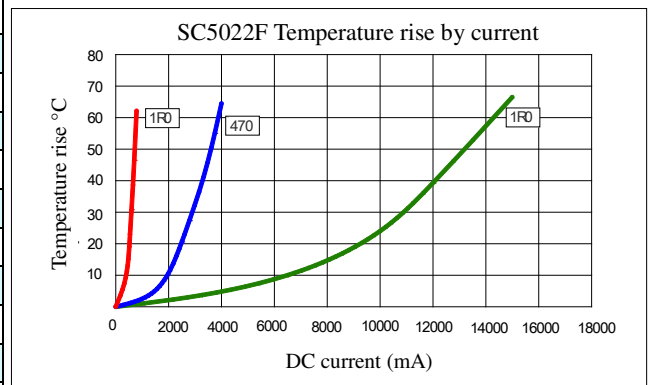
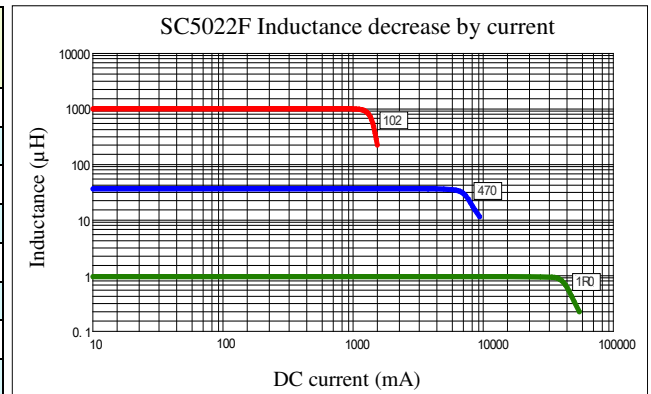
### • Features

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) (3)	Temperature Current (A) (4)
SC5022F-1R0	1.0	100KHZ	9m	20.0	10.5
SC5022F-2R2	2.2	100KHZ	14m	16.0	9.00
SC5022F-3R3	3.3	100KHZ	15m	14.0	8.00
SC5022F-4R7	4.7	100KHZ	19m	13.0	7.10
SC5022F-5R6	5.6	100KHZ	20m	12.0	6.30
SC5022F-6R8	6.8	100KHZ	25m	11.5	5.60
SC5022F-100	10	100KHZ	31m	10.0	5.20
SC5022F-150	15	100KHZ	36m	8.0	4.50
SC5022F-220	22	100KHZ	47m	7.0	3.90
SC5022F-330	33	100KHZ	66m	5.5	3.30
SC5022F-470	47	100KHZ	86m	4.5	2.80
SC5022F-680	68	100KHZ	0.13	3.5	2.36
SC5022F-101	100	100KHZ	0.19	3.0	1.95
SC5022F-151	150	100KHZ	0.25	2.6	1.60
SC5022F-221	220	100KHZ	0.38	2.4	1.20
SC5022F-331	330	100KHZ	0.56	1.9	1.00
SC5022F-471	470	100KHZ	0.85	1.4	0.80
SC5022F-681	680	100KHZ	1.24	1.2	0.68
SC5022F-102	1000	100KHZ	1.80	1.0	0.58



(1). Inductance tolerance for 1.0uH~3.3uH:  $\pm 30\%$ , for 4.7uH~1000uH:  $\pm 20\%$ . 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.