



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

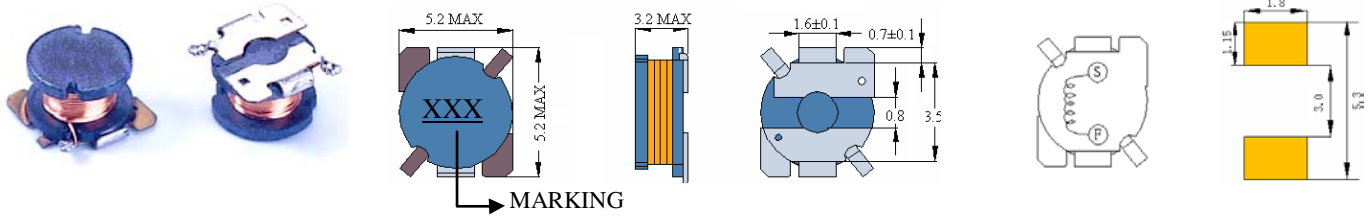
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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



SC53FU

SMD POWER INDUCTORS



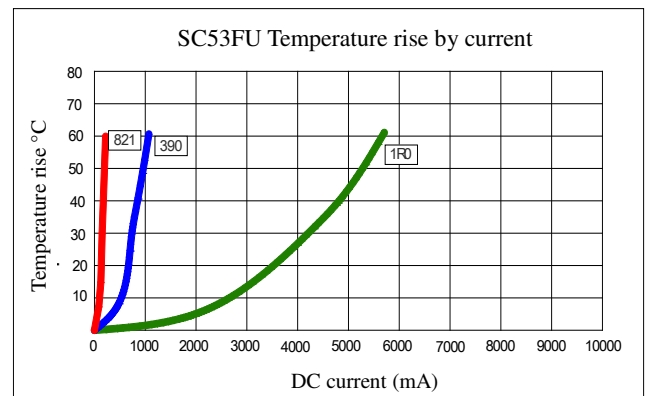
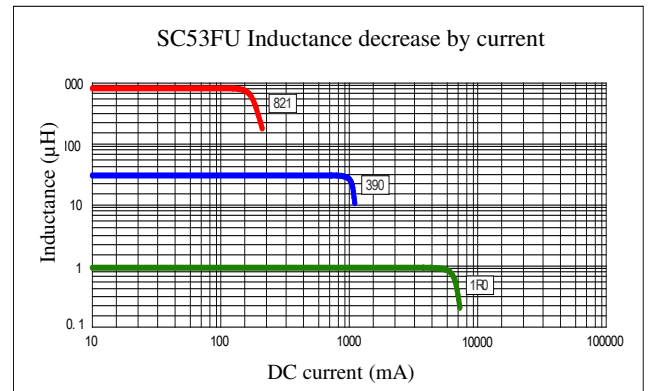
• Features

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

CHARACTERISTICS



Part Number	Inductance (uH) (1)	Test Frequency	DC Resistance (Ω MAX) (2)	Saturation Current (A) (3)	Temperature Current (A) (4)
SC53FU-1R0	1.0	100KHZ	37m	4.5	4.30
SC53FU-2R2	2.2	100KHZ	51m	3.4	3.50
SC53FU-2R7	2.7	100KHZ	57m	3.0	3.00
SC53FU-3R3	3.3	100KHZ	70m	2.5	2.50
SC53FU-4R7	4.7	100KHZ	89m	2.3	2.00
SC53FU-5R6	5.6	100KHZ	91m	2.0	1.86
SC53FU-6R8	6.8	100KHZ	104m	1.7	1.60
SC53FU-8R2	8.2	100KHZ	117m	1.5	1.50
SC53FU-100	10	100KHZ	140m	1.3	1.42
SC53FU-120	12	100KHZ	169m	1.2	1.36
SC53FU-150	15	100KHZ	193m	1.1	1.30
SC53FU-180	18	100KHZ	234m	1.0	1.20
SC53FU-220	22	100KHZ	267m	0.92	1.08
SC53FU-270	27	100KHZ	350m	0.90	0.88
SC53FU-330	33	100KHZ	430m	0.80	0.80
SC53FU-390	39	100KHZ	500m	0.72	0.74
SC53FU-470	47	100KHZ	610m	0.65	0.66
SC53FU-560	56	100KHZ	690m	0.59	0.60
SC53FU-680	68	100KHZ	850m	0.54	0.54
SC53FU-820	82	100KHZ	1.00	0.50	0.50
SC53FU-101	100	100KHZ	1.30	0.45	0.45
SC53FU-121	120	100KHZ	1.45	0.41	0.41
SC53FU-151	150	100KHZ	2.04	0.37	0.38
SC53FU-181	180	100KHZ	2.30	0.33	0.35
SC53FU-221	220	100KHZ	2.78	0.30	0.31
SC53FU-271	270	100KHZ	3.30	0.27	0.28
SC53FU-331	330	100KHZ	4.30	0.25	0.25
SC53FU-391	390	100KHZ	4.80	0.23	0.23
SC53FU-471	470	100KHZ	6.90	0.21	0.20
SC53FU-561	560	100KHZ	7.50	0.19	0.18
SC53FU-681	680	100KHZ	9.20	0.17	0.17
SC53FU-821	820	100KHZ	10.4	0.15	0.15



- (1). Inductance tolerance for 1.0uH~8.2uH: $\pm 30\%$, for 10uH~820uH: $\pm 20\%$. 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.