



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

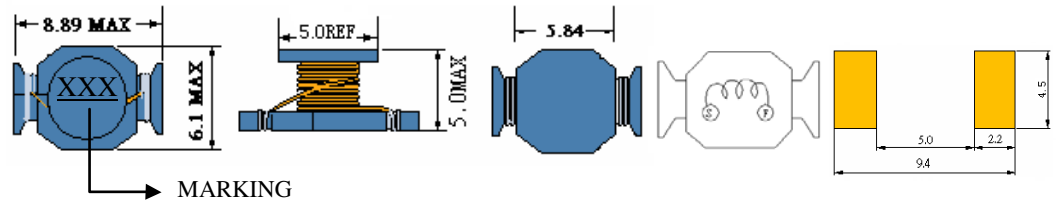
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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



SC1813FH

SMD POWER INDUCTORS



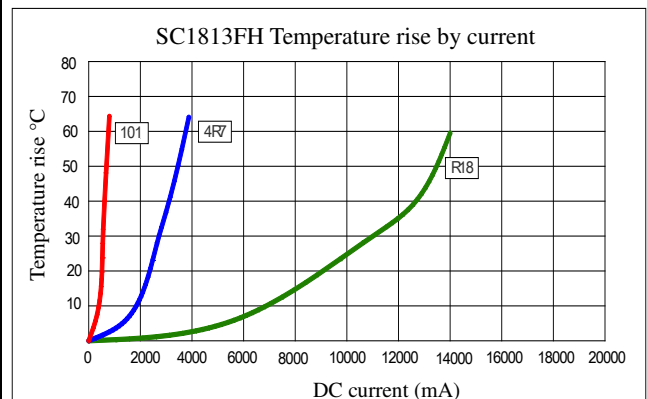
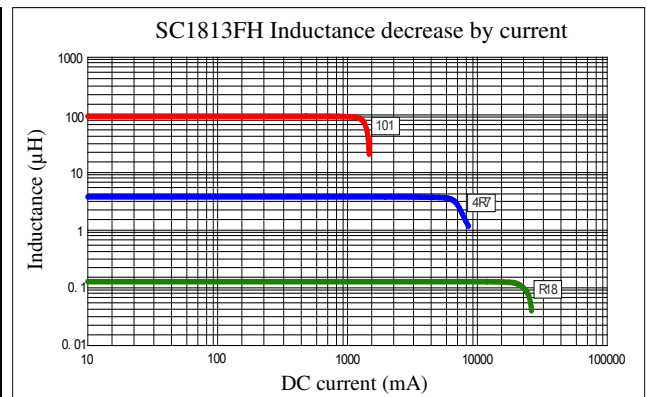
• Features

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 ⁽³⁾ (A)	Temperature Current ⁽⁴⁾ (A)
SC1813FH-R18	0.18	100KHZ	4.5m	14.00	11.2
SC1813FH-R33	0.33	100KHZ	5.2m	10.00	10.0
SC1813FH-R47	0.47	100KHZ	9.5 m	8.00	8.00
SC1813FH-R56	0.56	100KHZ	10m	7.70	7.00
SC1813FH-1R2	1.2	100KHZ	17m	5.30	4.50
SC1813FH-1R6	1.6	100KHZ	25m	4.50	4.20
SC1813FH-2R2	2.2	100KHZ	35m	3.50	3.80
SC1813FH-3R3	3.3	100KHZ	43m	3.00	3.30
SC1813FH-4R7	4.7	100KHZ	54m	2.60	2.70
SC1813FH-6R8	6.8	100KHZ	80m	2.20	2.20
SC1813FH-100	10	100KHZ	0.11	1.90	1.80
SC1813FH-150	15	100KHZ	0.17	1.50	1.40
SC1813FH-220	22	100KHZ	0.25	1.20	1.20
SC1813FH-330	33	100KHZ	0.35	0.90	0.92
SC1813FH-470	47	100KHZ	0.47	0.87	0.80
SC1813FH-680	68	100KHZ	0.73	0.67	0.66
SC1813FH-101	100	100KHZ	1.11	0.53	0.54



(1). Inductance tolerance for 0.18uH~1.6uH: $\pm 30\%$, for 2.2uH~100uH: $\pm 20\%$. 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.

[Click here for QUANTITY PER REEL & PACKING INFORMATION](#)

Custom versions available upon request.

©2011 Signal Transformer –Specification subject to change without notice. 07.11