



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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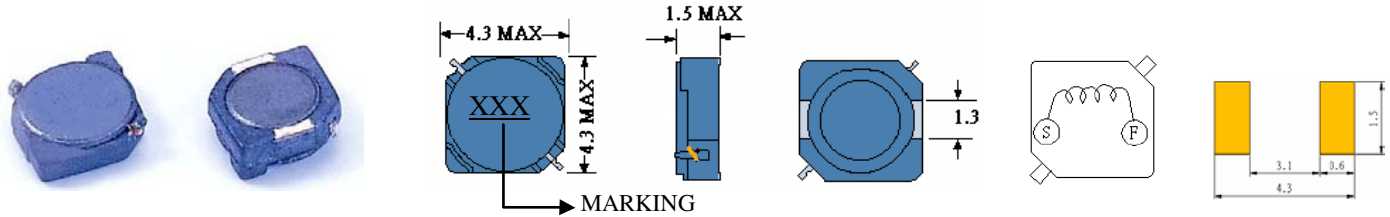
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SC414MF

SMD POWER INDUCTORS

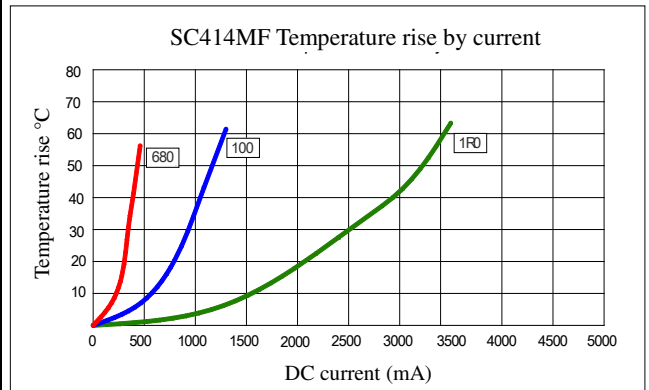
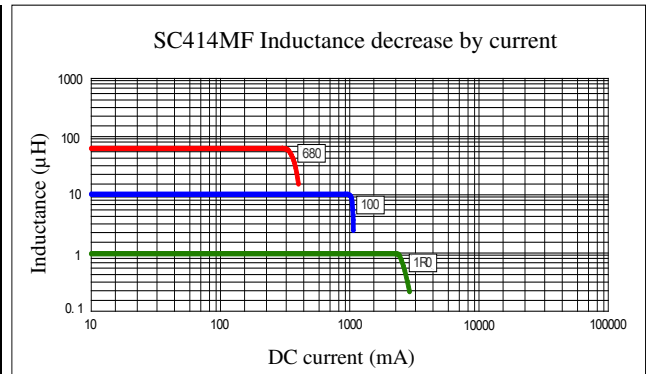


• Features

1. Magnetically shielded construction – Low EMI
2. Excellent Power Density
3. Engineered to Provide High Efficiency

CHARACTERISTICS

Part Number	Inductance (uH) (1)	Test Frequency	DC Resistance (Ω MAX) (2)	Saturation Current ⁽³⁾ (A)	Temperature Current ⁽⁴⁾ (A)
SC414MF-1R0	1.0	100KHZ	63m	2.80	2.65
SC414MF-1R5	1.5	100KHZ	106m	2.30	2.10
SC414MF-2R2	2.2	100KHZ	124m	1.90	1.78
SC414MF-3R3	3.3	100KHZ	137m	1.40	1.55
SC414MF-4R7	4.7	100KHZ	154m	1.20	1.40
SC414MF-5R6	5.6	100KHZ	188m	1.10	1.30
SC414MF-6R8	6.8	100KHZ	220m	1.00	1.20
SC414MF-8R6	8.6	100KHZ	258m	0.95	1.00
SC414MF-100	10	100KHZ	307m	0.90	0.90
SC414MF-120	12	100KHZ	367m	0.81	0.82
SC414MF-150	15	100KHZ	425m	0.72	0.74
SC414MF-180	18	100KHZ	497m	0.65	0.68
SC414MF-220	22	100KHZ	569m	0.60	0.66
SC414MF-270	27	100KHZ	792m	0.48	0.62
SC414MF-330	33	100KHZ	905m	0.44	0.52
SC414MF-390	39	100KHZ	1.19	0.43	0.44
SC414MF-470	47	100KHZ	1.32	0.41	0.40
SC414MF-560	56	100KHZ	1.48	0.38	0.38
SC414MF-680	68	100KHZ	1.85	0.36	0.35



(1). Inductance tolerance for 1.0uH: $\pm 30\%$, for 1.5uH-68uH: $\pm 20\%$. 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.