



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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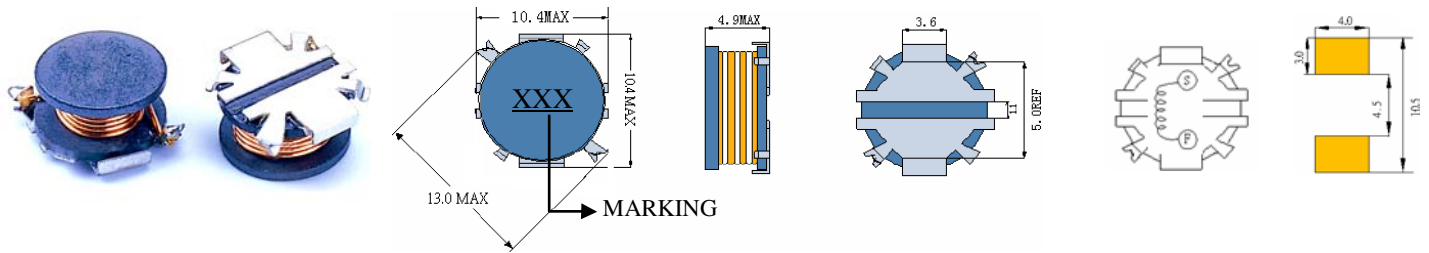
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SCH114

SMD POWER INDUCTORS



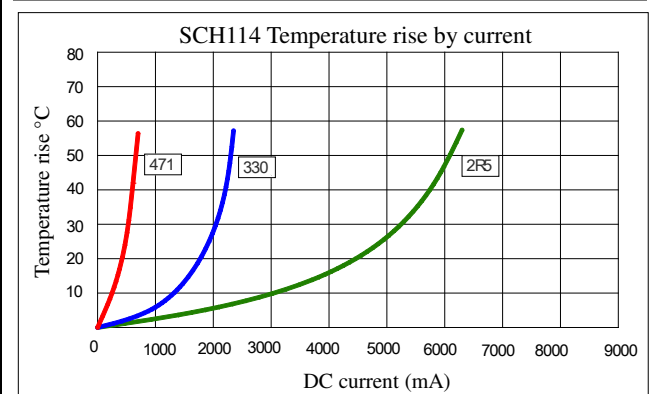
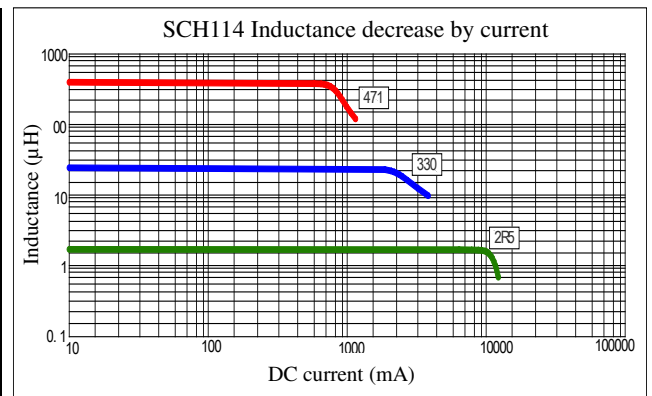
• Features

1. Open frame construction
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 (A) (3)	Temperature Current (A) (4)
SCH114-2R5	2.5	100KHZ	30m	6.50	5.10
SCH114-3R9	3.9	100KHZ	37m	5.50	4.70
SCH114-4R7	4.7	100KHZ	44m	5.10	4.50
SCH114-5R6	5.6	100KHZ	48m	4.80	4.10
SCH114-6R8	6.8	100KHZ	54m	4.50	3.70
SCH114-8R6	8.6	100KHZ	60m	4.20	3.40
SCH114-100	10	100KHZ	66m	4.00	3.10
SCH114-120	12	100KHZ	68m	3.80	2.90
SCH114-150	15	100KHZ	74m	3.50	2.75
SCH114-180	18	100KHZ	85m	3.40	2.55
SCH114-220	22	100KHZ	100m	3.00	2.37
SCH114-270	27	100KHZ	114m	2.70	2.18
SCH114-330	33	100KHZ	122m	2.50	2.05
SCH114-390	39	100KHZ	139m	2.30	1.95
SCH114-470	47	100KHZ	175m	2.00	1.80
SCH114-560	56	100KHZ	194m	1.90	1.70
SCH114-680	68	100KHZ	241m	1.70	1.58
SCH114-820	82	100KHZ	289m	1.45	1.40
SCH114-101	100	100KHZ	352m	1.32	1.20
SCH114-121	120	100KHZ	397m	1.23	1.08
SCH114-151	150	100KHZ	492m	1.10	0.96
SCH114-181	180	100KHZ	589m	1.00	0.90
SCH114-221	220	100KHZ	747m	0.90	0.80
SCH114-271	270	100KHZ	927m	0.72	0.68
SCH114-331	330	100KHZ	1.22	0.70	0.56
SCH114-391	390	100KHZ	1.30	0.62	0.52
SCH114-471	470	100KHZ	1.56	0.60	0.50



- (1). Inductance tolerance for 2.5uH~8.6uH: $\pm 30\%$, for 10uH~56uH: $\pm 20\%$, for 68uH~470uH: $\pm 10\%$. Tested at 0.25V, 0ADC and 25°C
- (2). DCR easured 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.