



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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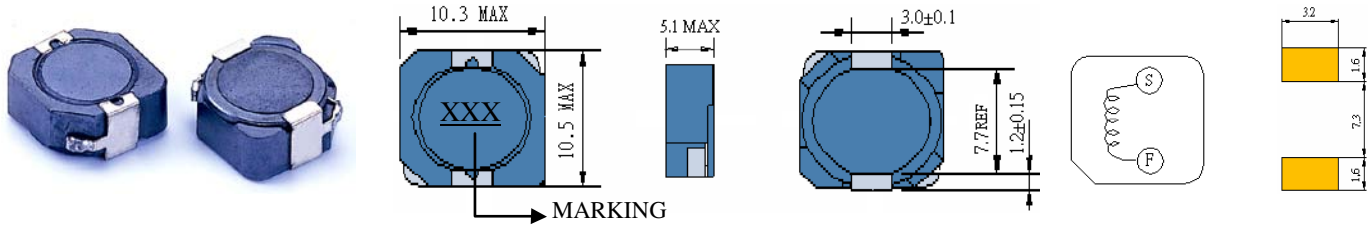
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# SCRH105R

## SMD POWER INDUCTORS



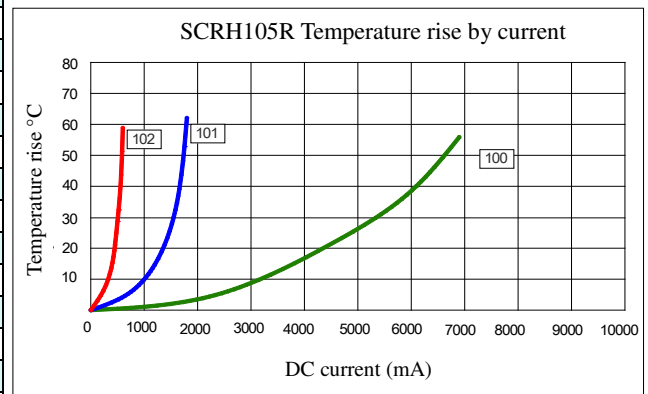
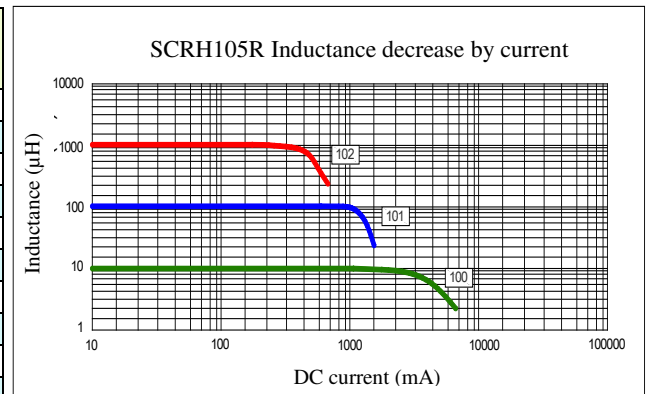
### • Features

1. Magnetically shielded 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 <sup>(3)</sup> (A)	Temperature Current <sup>(4)</sup> (A)
SCRH105R-100	10	100KHZ	26m	3.45	4.50
SCRH105R-120	12	100KHZ	33m	3.40	4.27
SCRH105R-150	15	100KHZ	41m	2.83	4.00
SCRH105R-180	18	100KHZ	46m	2.62	3.80
SCRH105R-220	22	100KHZ	61m	2.44	3.40
SCRH105R-270	27	100KHZ	69m	2.24	3.00
SCRH105R-330	33	100KHZ	84m	1.88	2.70
SCRH105R-390	39	100KHZ	106m	1.70	2.43
SCRH105R-470	47	100KHZ	130m	1.56	2.10
SCRH105R-560	56	100KHZ	149m	1.39	1.90
SCRH105R-680	68	100KHZ	201m	1.36	1.65
SCRH105R-820	82	100KHZ	227m	1.20	1.50
SCRH105R-101	100	100KHZ	253m	1.09	1.42
SCRH105R-121	120	100KHZ	303m	1.00	1.34
SCRH105R-151	150	100KHZ	370m	0.91	1.27
SCRH105R-181	180	100KHZ	419m	0.84	1.20
SCRH105R-221	220	100KHZ	500m	0.75	1.08
SCRH105R-271	270	100KHZ	672m	0.68	0.97
SCRH105R-331	330	100KHZ	812m	0.60	0.87
SCRH105R-391	390	100KHZ	953m	0.57	0.78
SCRH105R-471	470	100KHZ	1.28	0.50	0.70
SCRH105R-561	560	100KHZ	1.43	0.47	0.63
SCRH105R-681	680	100KHZ	1.60	0.43	0.56
SCRH105R-821	820	100KHZ	1.75	0.39	0.50
SCRH105R-102	1000	100KHZ	1.99	0.35	0.45



- (1). Inductance tolerance  $\pm 30\%$  tested at 0.25V, 0ADC and 25°C
- (2). DCR measured at 25°C.
- (3). The DC current at which the inductance decreases by 35% 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.