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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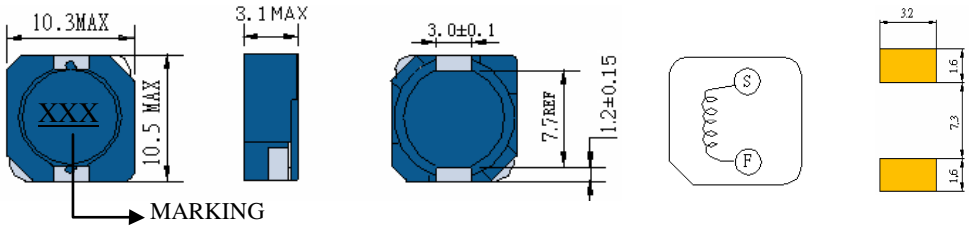
SCRH103R

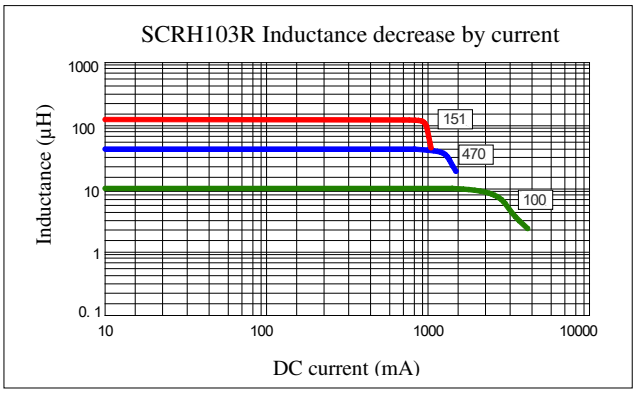
SMD POWER INDUCTORS

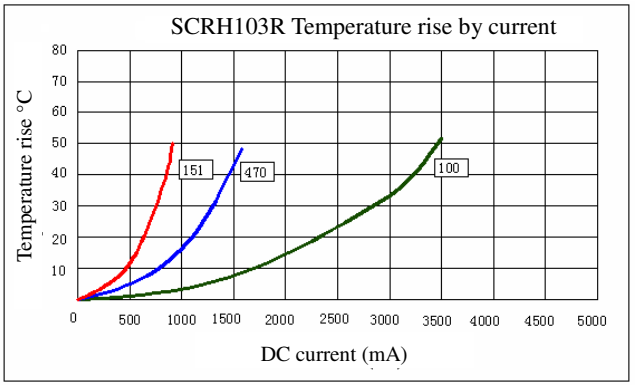


● Features
1. Magnetically shielded construction
2 Excellent Power Density
3 Engineered to Provide High Efficiency

ELECTRICAL CHARACTERISTICS

Part NumSer	Inductance (uH) (1)	Test Frequency	DC Resistance (Ω MAX) (2)	Saturation Current (3) (A)	Temperature Current (4) (A)
SCRH103R-100	10	100KHZ	58m	2.70	2.75
SCRH103R-120	12	100KHZ	72m	2.25	2.48
SCRH103R-150	15	100KHZ	86m	2.22	2.24
SCRH103R-180	18	100KHZ	116m	1.90	2.00
SCRH103R-220	22	100KHZ	145m	1.78	1.80
SCRH103R-270	27	100KHZ	175m	1.63	1.62
SCRH103R-330	33	100KHZ	213m	1.45	1.46
SCRH103R-390	39	100KHZ	268m	1.32	1.32
SCRH103R-470	47	100KHZ	298m	1.18	1.30
SCRH103R-560	56	100KHZ	335m	1.10	1.08
SCRH103R-680	68	100KHZ	451m	1.04	1.00
SCRH103R-820	82	100KHZ	513m	0.94	0.98
SCRH103R-101	100	100KHZ	700m	0.84	0.92
SCRH103R-121	120	100KHZ	765m	0.76	0.88
SCRH103R-151	150	100KHZ	876m	0.70	0.73





(1). Inductance tolerance ±30% tested at 0.25V, 0ADC and 25℃
(2). DCR measured at 25℃.
(3). The DC current at which the inductance decreases by 35% from its initial value.
(4). The DC current that results in a 40℃ temperature rise from 25℃ambient.

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