



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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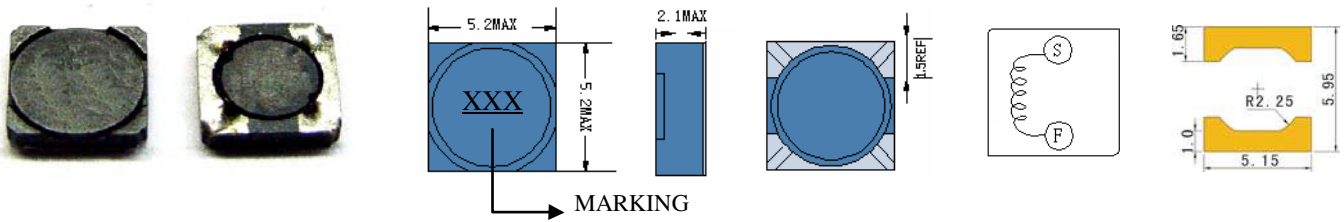
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SCMS5D20

SMD POWER INDUCTORS



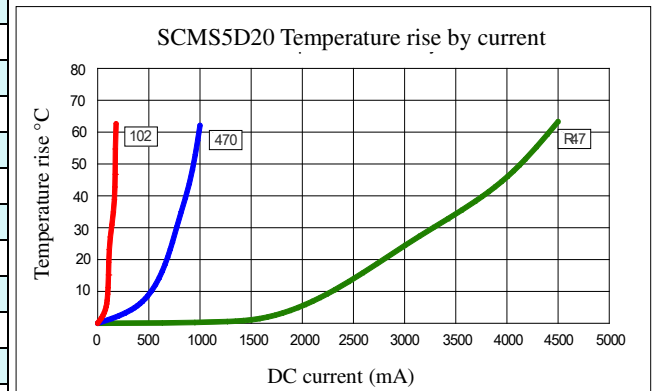
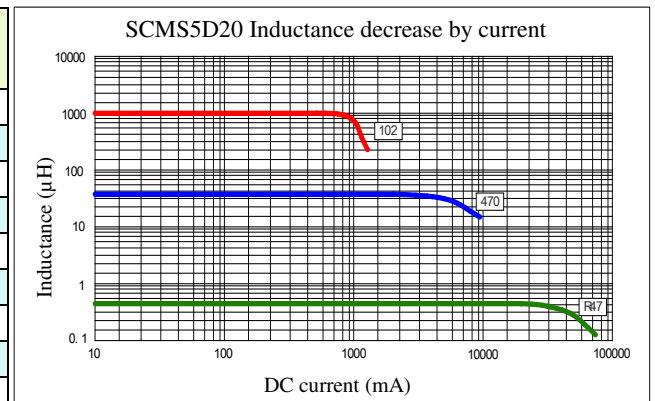
• Features

1. Magnetically shielded construction – Low EMI
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)
SCMS5D20-R47	0.47	100KHZ	22m	4.00	3.10
SCMS5D20-1R2	1.2	100KHZ	30m	2.55	2.70
SCMS5D20-1R5	1.5	100KHZ	34m	2.15	2.50
SCMS5D20-2R2	2.2	100KHZ	47m	1.87	2.37
SCMS5D20-3R3	3.3	100KHZ	60m	1.47	2.20
SCMS5D20-4R7	4.7	100KHZ	67m	1.33	2.02
SCMS5D20-6R2	6.2	100KHZ	79m	1.12	1.81
SCMS5D20-8R2	8.2	100KHZ	110m	0.966	1.62
SCMS5D20-100	10	100KHZ	121m	0.903	1.45
SCMS5D20-150	15	100KHZ	182m	0.718	1.37
SCMS5D20-220	22	100KHZ	226m	0.596	1.17
SCMS5D20-330	33	100KHZ	341m	0.491	0.99
SCMS5D20-470	47	100KHZ	512m	0.406	0.82
SCMS5D20-680	68	100KHZ	764m	0.337	0.72
SCMS5D20-820	82	100KHZ	856m	0.308	0.57
SCMS5D20-101	100	100KHZ	1.17	0.283	0.52
SCMS5D20-151	150	100KHZ	1.65	0.228	0.46
SCMS5D20-221	220	100KHZ	2.50	0.188	0.43
SCMS5D20-331	330	100KHZ	3.84	0.155	0.34
SCMS5D20-471	470	100KHZ	4.75	0.129	0.28
SCMS5D20-681	680	100KHZ	7.80	0.107	0.20
SCMS5D20-821	820	100KHZ	8.25	0.098	0.18
SCMS5D20-102	1000	100KHZ	13.56	0.088	0.12



(1). Inductance tolerance for 0.47uH~8.2uH: $\pm 30\%$, for 10uH~1000uH: $\pm 20\%$. Tested at 0.25V, 0ADC and 25°C

(2). DCR measured at 25°C.

(3). The DC current at which the inductance decreases by 30% 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.