



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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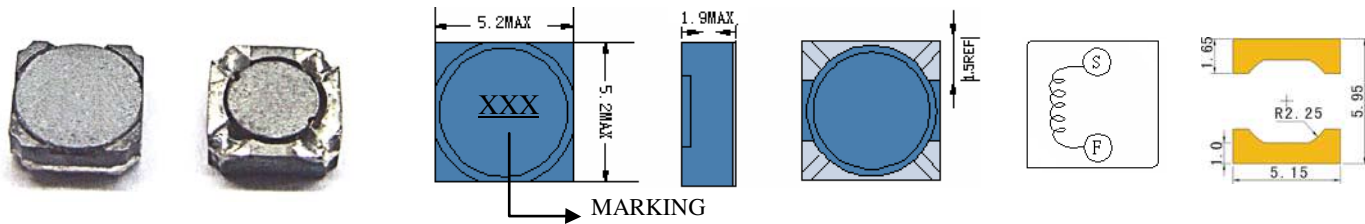
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SCMS5D18

SMD POWER INDUCTORS



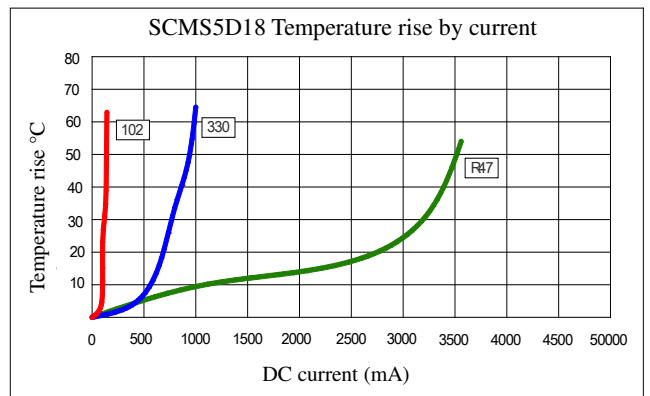
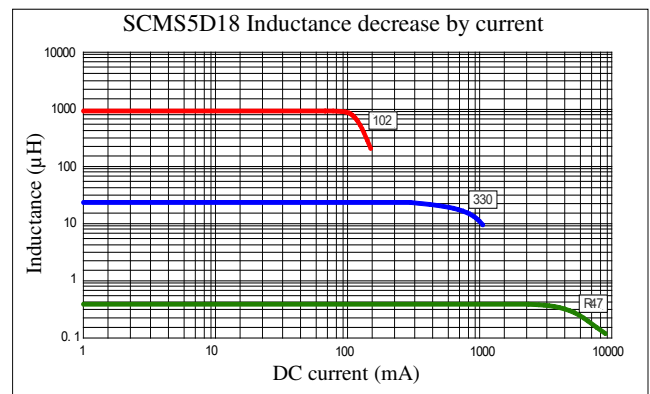
• Features

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)
SCMS5D18-R47	0.47	100KHZ	22m	4.63	3.24
SCMS5D18-R82	0.82	100KHZ	27m	3.60	2.75
SCMS5D18-1R2	1.2	100KHZ	32m	2.95	2.46
SCMS5D18-1R5	1.5	100KHZ	38m	2.49	2.40
SCMS5D18-2R2	2.2	100KHZ	44m	2.16	2.35
SCMS5D18-3R3	3.3	100KHZ	67m	1.71	2.23
SCMS5D18-4R7	4.7	100KHZ	91m	1.54	1.80
SCMS5D18-6R2	6.2	100KHZ	110m	1.30	1.62
SCMS5D18-8R2	8.2	100KHZ	149m	1.12	1.45
SCMS5D18-100	10	100KHZ	174m	0.982	1.30
SCMS5D18-150	15	100KHZ	251m	0.831	1.11
SCMS5D18-220	22	100KHZ	370m	0.689	0.94
SCMS5D18-330	33	100KHZ	556m	0.568	0.80
SCMS5D18-470	47	100KHZ	851m	0.470	0.61
SCMS5D18-680	68	100KHZ	1.08	0.390	0.49
SCMS5D18-820	82	100KHZ	1.43	0.356	0.44
SCMS5D18-100	100	100KHZ	1.62	0.321	0.39
SCMS5D18-150	150	100KHZ	2.80	0.263	0.33
SCMS5D18-220	220	100KHZ	4.37	0.217	0.29
SCMS5D18-330	330	100KHZ	5.35	0.177	0.24
SCMS5D18-470	470	100KHZ	9.38	0.148	0.18
SCMS5D18-680	680	100KHZ	12.0	0.124	0.15
SCMS5D18-820	820	100KHZ	16.56	0.113	0.125
SCMS5D18-1000	1000	100KHZ	18.50	0.102	0.11



(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.

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