



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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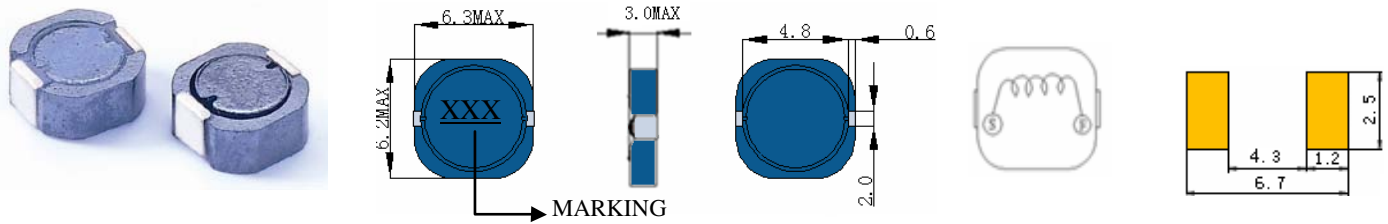
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SC63LCB

SMD POWER INDUCTORS



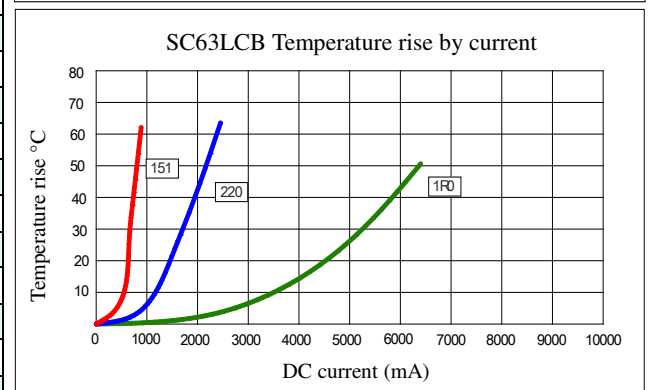
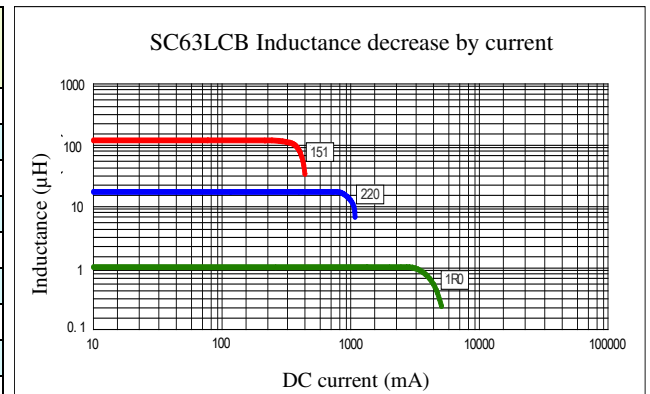
• Features

1. Magnetically shielded construction
2. LOW Profile (3.0mm max. height x 6.3mm square)
3. Low DC resistance makes this product very suitable for large current applications



CHARACTERISTICS

Part Number	Inductance (uH) (1)	Test Frequency	DC Resistance (Ω MAX) (2)	Saturation Current (3) (A)	Temperature Current (4) (A)
SC63LCB-1R0	1.0	100KHZ	14m	3.59	4.80
SC63LCB-1R5	1.5	100KHZ	16m	2.93	4.60
SC63LCB-2R2	2.2	100KHZ	20m	2.42	4.37
SC63LCB-3R6	3.6	100KHZ	27m	1.89	4.15
SC63LCB-4R7	4.7	100KHZ	34m	1.66	3.80
SC63LCB-6R2	6.2	100KHZ	40m	1.45	3.42
SC63LCB-100	10	100KHZ	62m	1.14	2.91
SC63LCB-120	12	100KHZ	66m	1.04	2.30
SC63LCB-150	15	100KHZ	79m	0.93	2.22
SC63LCB-180	18	100KHZ	100m	0.85	1.99
SC63LCB-220	22	100KHZ	119m	0.77	1.50
SC63LCB-270	27	100KHZ	150m	0.70	1.42
SC63LCB-330	33	100KHZ	175m	0.63	1.35
SC63LCB-390	39	100KHZ	188m	0.58	1.21
SC63LCB-470	47	100KHZ	235m	0.53	1.14
SC63LCB-560	56	100KHZ	275m	0.48	1.02
SC63LCB-680	68	100KHZ	338m	0.44	0.92
SC63LCB-820	82	100KHZ	413m	0.40	0.89
SC63LCB-101	100	100KHZ	519m	0.36	0.80
SC63LCB-151	150	100KHZ	778m	0.31	0.60



(1). Inductance tolerance for 1.0uH~6.2uH: ±30%, for 10uH~150uH: ±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.