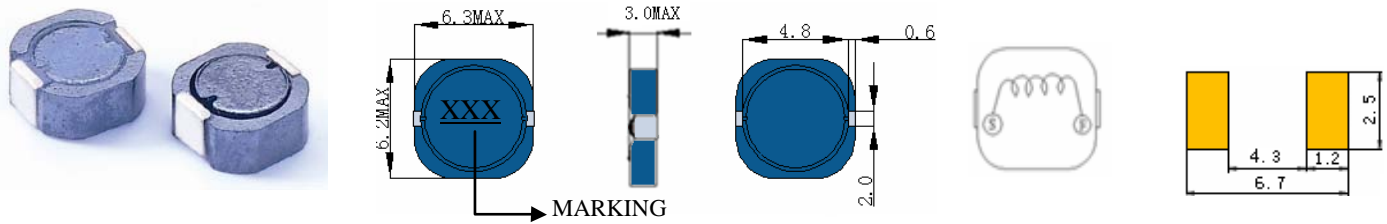


SC63LCB

SMD POWER INDUCTORS



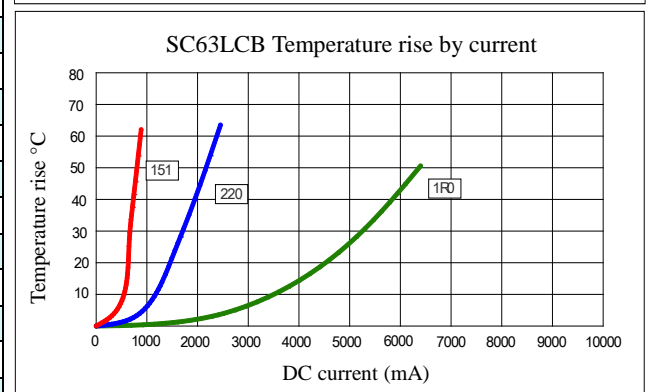
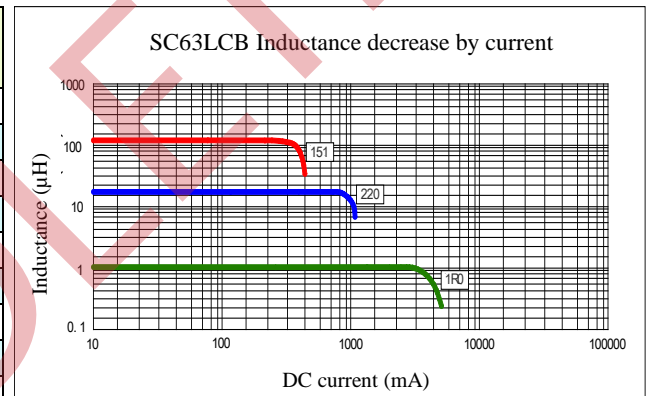
• Features

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: $\pm 30\%$, for 10uH~150uH: $\pm 20\%$. 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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