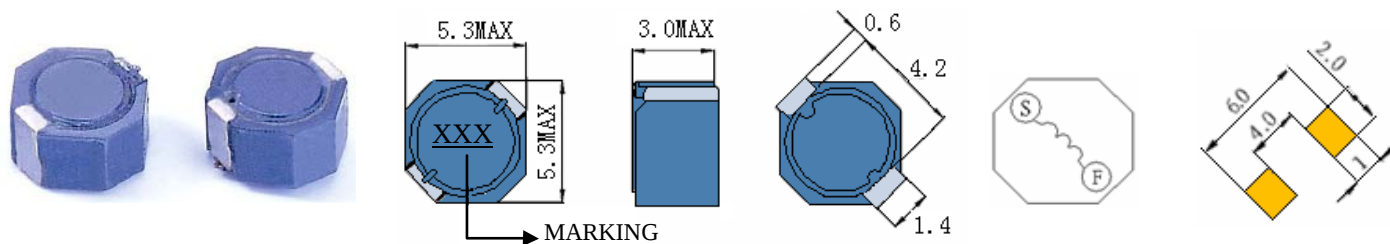


SC53LC

SMD POWER INDUCTORS



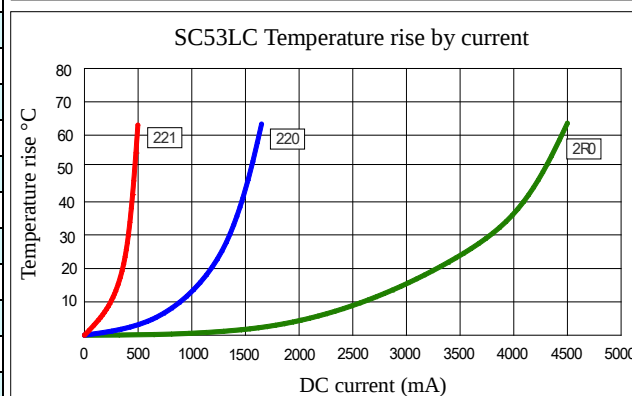
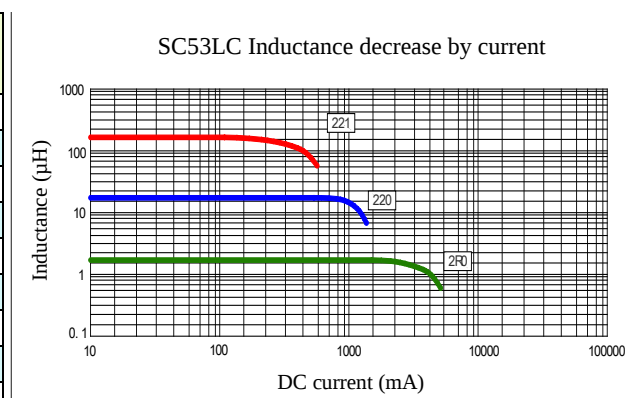
• Features

1. Magnetically shielded construction
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 (A) (3)	Temperature Current (A) (4)
SC53LC-2R0	2.0	100KHZ	38m	2.92	3.60
SC53LC-3R3	3.3	100KHZ	51m	2.36	3.42
SC53LC-4R7	4.7	100KHZ	60m	1.87	2.80
SC53LC-6R8	6.8	100KHZ	76m	1.51	2.27
SC53LC-100	10	100KHZ	105m	1.33	2.00
SC53LC-150	15	100KHZ	126m	1.05	1.60
SC53LC-220	22	100KHZ	190m	0.86	1.28
SC53LC-330	33	100KHZ	288m	0.72	1.09
SC53LC-470	47	100KHZ	415m	0.62	0.87
SC53LC-680	68	100KHZ	545m	0.51	0.73
SC53LC-101	100	100KHZ	860m	0.43	0.58
SC53LC-151	150	100KHZ	1.24	0.21	0.46
SC53LC-221	220	100KHZ	2.04	0.18	0.39



(1). Inductance tolerance for 2.0uH~6.8uH: $\pm 30\%$, for 10uH~220uH: $\pm 20\%$. 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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[SC53LC-101](#) [SC53LC-2R0](#) [SC53LC-3R3](#) [SC53LC-150](#) [SC53LC-220](#)