

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!



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SMD POWER INDUCTORS

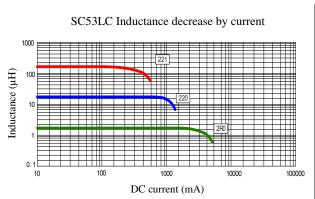


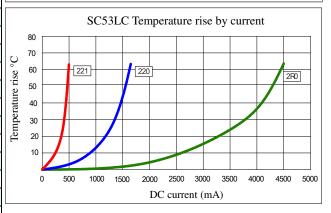
- Features
- 1. Magnetically shielded construction
- 2 Excellent Power Density
- 3 Engineered to Provide High Efficiency

ELECTRICAL CHARACTERISTICS



Part Number	Inductance	Test	DC Resistance	Saturation ₍₃₎	Temperature
	(uH)	Frequency	(Ω MAX)	Current	Current
	(1)		(2)	(A)	(A)
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 \sim 6.8uH: $\pm 30\%$, for 10uH \sim 220uH: $\pm 20\%$. Tested at 0.25V, 0ADC and 25°C and 25°C and 25°C are tolerance for 2.0uH \sim 6.8uH: $\pm 30\%$, for 10uH \sim 220uH: $\pm 20\%$.
- (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.

Click here for QUANTITY PER REEL & PACKING INFORMATION

Custom versions available upon request.

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