



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

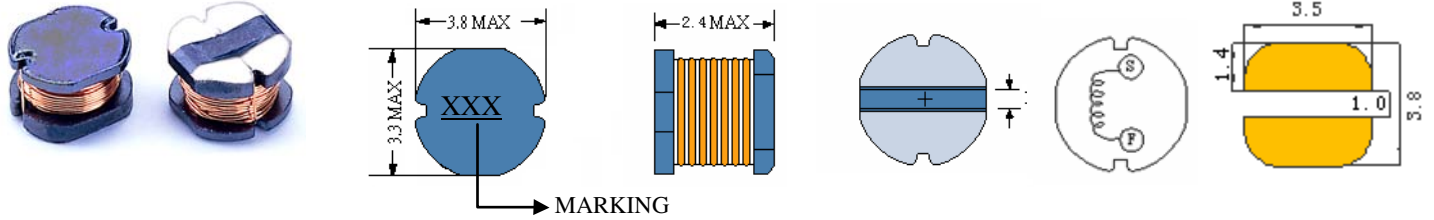
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SMD POWER INDUCTORS



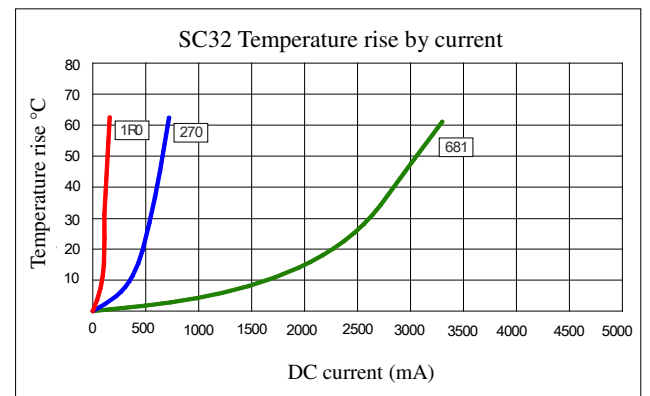
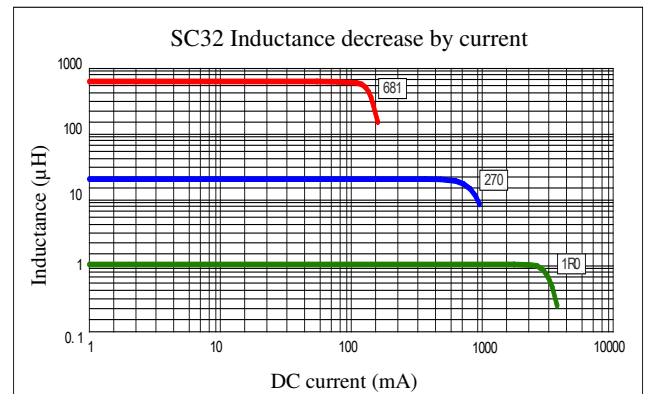
- Features

1. Open frame construction.

ELECTRICAL CHARACTERISTICS



Part Number	Inductance (uH) (1)	Test Frequency	DC Resistance (Ω MAX) (2)	Saturation Current (3) (A)	Temperature Current (4) (A)
SC32-1R0	1.0	7.96MHZ	43m	2.34	2.60
SC32-1R4	1.4	7.96MHZ	50m	2.04	2.30
SC32-1R8	1.8	7.96MHZ	68m	1.79	1.90
SC32-2R2	2.2	7.96MHZ	84m	1.60	1.70
SC32-2R7	2.7	7.96MHZ	97m	1.50	1.60
SC32-3R3	3.3	7.96MHZ	104m	1.30	1.55
SC32-3R9	3.9	7.96MHZ	145m	1.22	1.38
SC32-4R7	4.7	7.96MHZ	156m	1.05	1.30
SC32-5R6	5.6	7.96MHZ	194m	0.98	1.15
SC32-6R8	6.8	7.96MHZ	232m	0.87	1.02
SC32-8R2	8.2	7.96MHZ	285m	0.77	0.90
SC32-100	10	2.52MHZ	373m	0.71	0.80
SC32-120	12	2.52MHZ	397m	0.65	0.72
SC32-150	15	2.52MHZ	547m	0.57	0.66
SC32-180	18	2.52MHZ	592m	0.52	0.64
SC32-220	22	2.52MHZ	720m	0.47	0.60
SC32-270	27	2.52MHZ	889m	0.44	0.52
SC32-330	33	2.52MHZ	961m	0.39	0.47
SC32-390	39	2.52MHZ	1.20	0.36	0.44
SC32-470	47	2.52MHZ	1.47	0.33	0.40
SC32-560	56	2.52MHZ	1.80	0.31	0.39
SC32-680	68	2.52MHZ	2.30	0.28	0.33
SC32-820	82	2.52MHZ	2.45	0.25	0.31
SC32-101	100	1KHZ	3.20	0.22	0.29
SC32-121	120	1KHZ	4.10	0.20	0.25
SC32-151	150	1KHZ	4.78	0.17	0.23
SC32-181	180	1KHZ	7.65	0.15	0.20
SC32-221	220	1KHZ	9.20	0.13	0.17
SC32-271	270	1KHZ	9.90	0.11	0.15
SC32-331	330	1KHZ	11.2	0.09	0.14
SC32-391	390	1KHZ	12.7	0.09	0.13
SC32-471	470	1KHZ	14.0	0.08	0.13
SC32-561	560	1KHZ	19.8	0.07	0.12
SC32-681	680	1KHZ	22.7	0.06	0.11



- (1). Inductance tolerance for 1.0uH: $\pm 30\%$, for 1.4uH-680uH: $\pm 20\%$. Tested at 0.25V, 0ADC and 25°C
- (2). DCR measured at 25°C.
- (3). The DC current at which the inductance decreases by 10% from its initial value.
- (4). The DC current that results in a 40°C temperature rise from 25°C ambient.

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