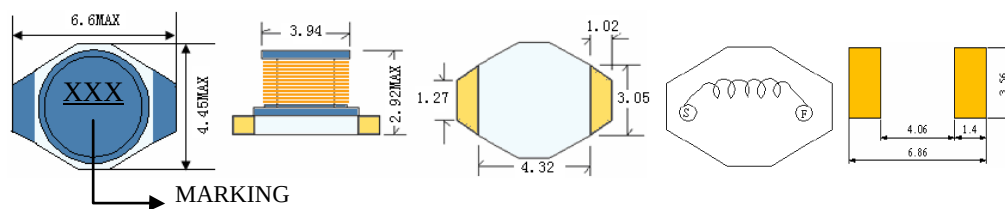


SC1608F

SMD POWER INDUCTORS



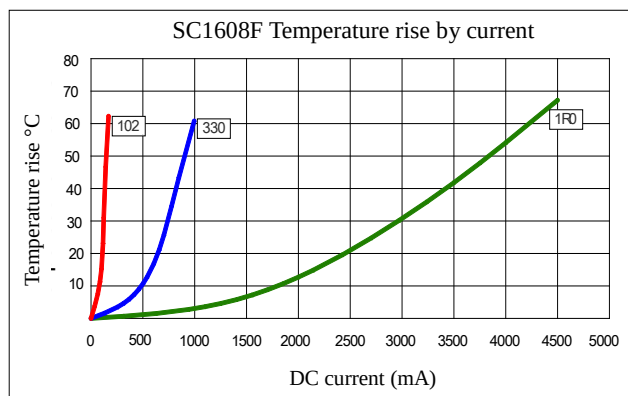
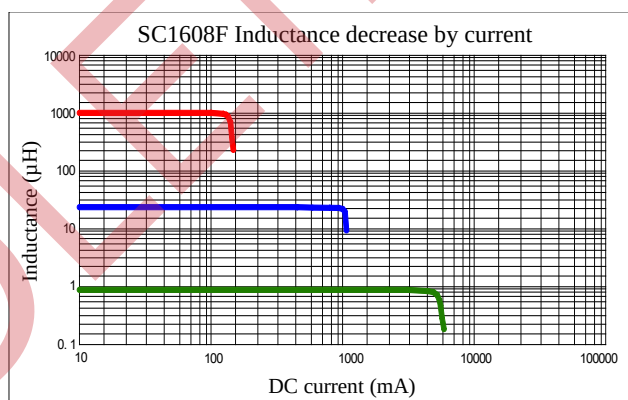
• Features

1. Open frame 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 ⁽³⁾ (A)	Temperature Current ⁽⁴⁾ (A)
SC1608F-1R0	1.0	100KHZ	0.05	2.90	2.90
SC1608F-1R5	1.5	100KHZ	0.05	2.60	2.80
SC1608F-2R2	2.2	100KHZ	0.07	2.30	2.40
SC1608F-3R3	3.3	100KHZ	0.08	2.00	2.00
SC1608F-4R7	4.7	100KHZ	0.09	1.50	1.80
SC1608F-6R8	6.8	100KHZ	0.13	1.20	1.50
SC1608F-100	10	100KHZ	0.16	1.10	1.10
SC1608F-150	15	100KHZ	0.26	0.90	0.92
SC1608F-220	22	100KHZ	0.37	0.70	0.86
SC1608F-270	27	100KHZ	0.44	0.65	0.80
SC1608F-330	33	100KHZ	0.51	0.58	0.72
SC1608F-470	47	100KHZ	0.75	0.50	0.56
SC1608F-680	68	100KHZ	1.10	0.40	0.48
SC1608F-101	100	100KHZ	1.56	0.31	0.40
SC1608F-151	150	100KHZ	2.40	0.27	0.33
SC1608F-221	220	100KHZ	3.60	0.22	0.27
SC1608F-331	330	100KHZ	5.80	0.18	0.20
SC1608F-471	470	100KHZ	7.25	0.16	0.18
SC1608F-681	680	100KHZ	12.0	0.14	0.15
SC1608F-102	1000	100KHZ	20.2	0.10	0.12



(1). Inductance tolerance for 1.0uH~6.8uH: $\pm 30\%$, for 10uH~1000uH: $\pm 20\%$. 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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