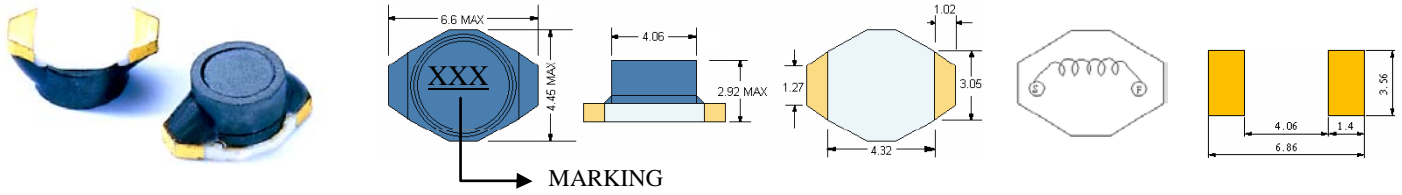


SC1608C

SMD POWER INDUCTORS



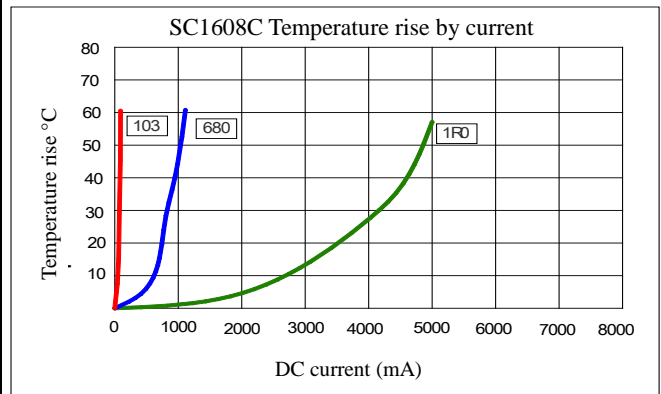
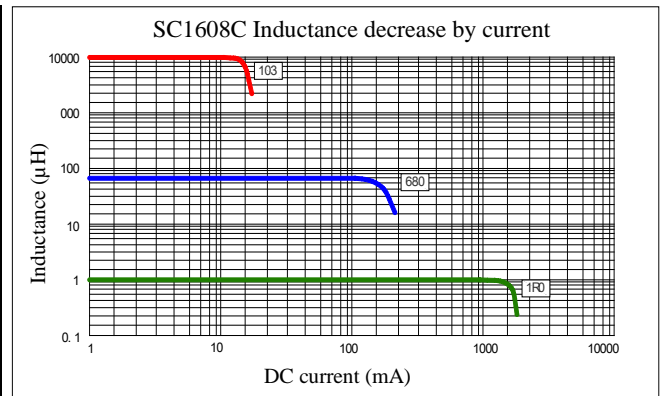
• Features

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 ⁽³⁾ (A)	Temperature Current ⁽⁴⁾ (A)
SC1608C-1R0	1.0	100KHZ	40m	1.40	4.00
SC1608C-1R5	1.5	100KHZ	45m	0.93	3.24
SC1608C-2R2	2.2	100KHZ	50m	0.92	2.91
SC1608C-3R3	3.3	100KHZ	55m	0.75	2.61
SC1608C-4R7	4.7	100KHZ	60m	0.58	2.47
SC1608C-6R8	6.8	100KHZ	65m	0.45	2.22
SC1608C-100	10	100KHZ	75m	0.37	2.00
SC1608C-150	15	100KHZ	90m	0.31	1.70
SC1608C-220	22	100KHZ	138m	0.30	1.44
SC1608C-330	33	100KHZ	190m	0.27	1.15
SC1608C-470	47	100KHZ	230m	0.24	1.03
SC1608C-680	68	100KHZ	340m	0.17	0.80
SC1608C-101	100	100KHZ	480m	0.13	0.72
SC1608C-151	150	100KHZ	750m	0.10	0.64
SC1608C-221	220	100KHZ	1.22	0.09	0.48
SC1608C-331	330	100KHZ	1.83	0.07	0.40
SC1608C-471	470	100KHZ	2.85	0.06	0.32
SC1608C-681	680	100KHZ	3.60	0.055	0.28
SC1608C-102	1000	100KHZ	5.35	0.045	0.22



- (1). Inductance tolerance $\pm 30\%$ 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.