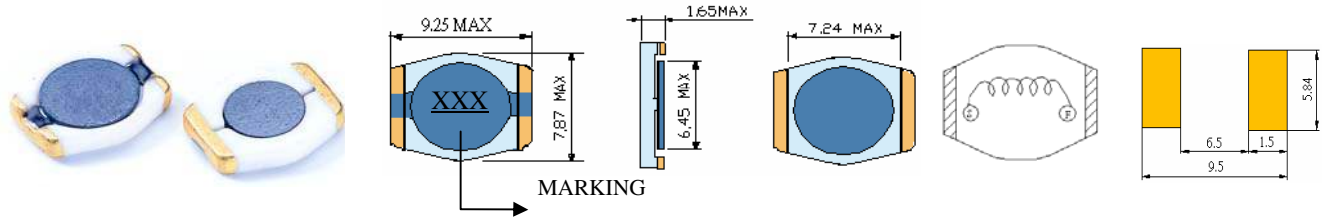


SC2506

SMD POWER INDUCTORS



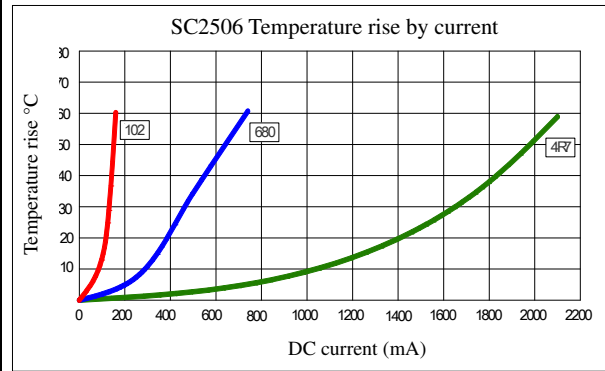
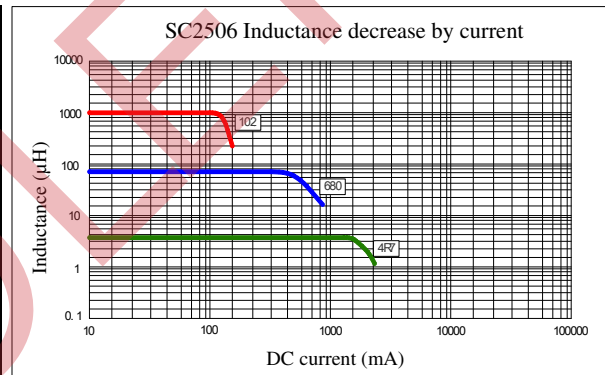
• Features

1. Non-magnetically shielded construction – Low EMI
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)
SC2506-4R7	4.7	100KHZ	145m	1.60	1.60
SC2506-6R8	6.8	100KHZ	165m	1.30	1.50
SC2506-100	10	100KHZ	240m	1.00	1.10
SC2506-150	15	100KHZ	300m	0.90	0.90
SC2506-220	22	100KHZ	420m	0.70	0.78
SC2506-330	33	100KHZ	650m	0.60	0.68
SC2506-470	47	100KHZ	880m	0.50	0.56
SC2506-680	68	100KHZ	1.30	0.40	0.48
SC2506-101	100	100KHZ	2.00	0.30	0.40
SC2506-151	150	100KHZ	3.40	0.25	0.30
SC2506-221	220	100KHZ	4.60	0.22	0.24
SC2506-331	330	100KHZ	7.30	0.18	0.19
SC2506-471	470	100KHZ	12.0	0.14	0.16
SC2506-681	680	100KHZ	15.3	0.12	0.14
SC2506-102	1000	100KHZ	20.6	0.10	0.13



- (1). Inductance tolerance $\pm 20\%$ 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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