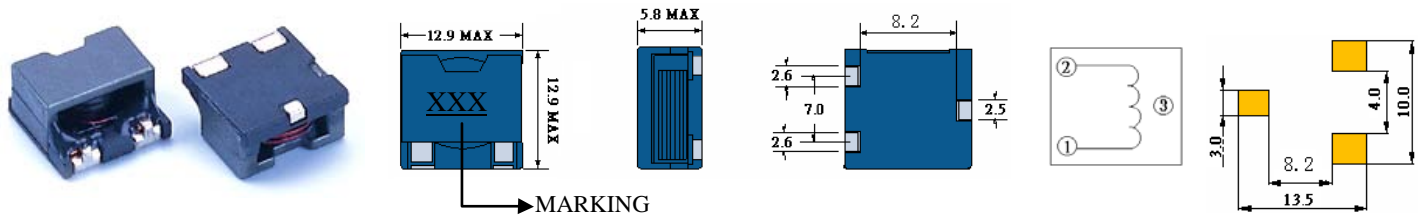


SCEP125U

SMD POWER INDUCTORS



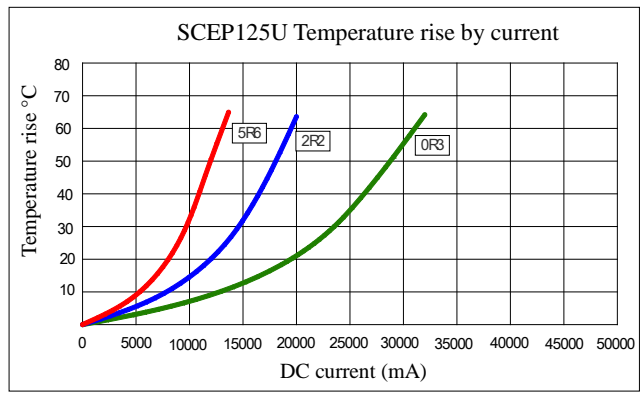
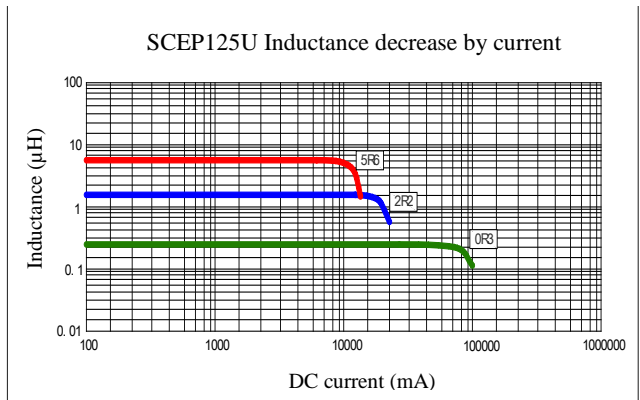
• Features

- 1 Excellent Power Density
- 2 Engineered to Provide High Efficiency



ELECTRICAL CHARACTERISTICS

| Part NumSer | Inductance (uH) (1) | Test Frequency | DC Resistance (Ω MAX) (2) | Saturation Current (3) (A) | Temperature Current (4) (A) |
|--------------|---------------------|----------------|---------------------------|----------------------------|-----------------------------|
| SCEP125U-R30 | 0.3 | 100KHZ | 2.5m | 35.0 | 23.5 |
| SCEP125U-R60 | 0.6 | 100KHZ | 2.5m | 30.0 | 18.8 |
| SCEP125U-R80 | 0.8 | 100KHZ | 2.5m | 27.2 | 17.8 |
| SCEP125U-1R4 | 1.4 | 100KHZ | 3.8m | 20.8 | 14.0 |
| SCEP125U-2R2 | 2.2 | 100KHZ | 5.4m | 14.8 | 13.5 |
| SCEP125U-3R2 | 3.2 | 100KHZ | 8.0m | 12.8 | 13.0 |
| SCEP125U-4R3 | 4.3 | 100KHZ | 11.4m | 11.0 | 10.5 |
| SCEP125U-5R6 | 5.6 | 100KHZ | 13.5m | 9.5 | 9.00 |
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- (1). Inductance tolerance ±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 25% from its initial value.
- (4). The DC current that results in a 40°C temperature rise from 25°Cambient.

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Custom versions available upon request.

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