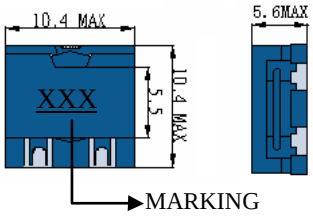
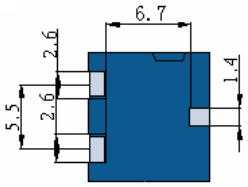
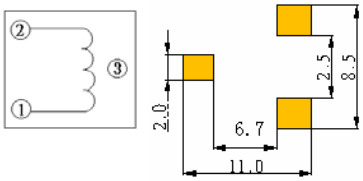
# SCEP105H

## SMD POWER INDUCTORS




● Features
1 Excellent Power Density
2 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) |
|---|---|---|---|---|---|
| SCEP105H-R15 | 0.15 | 100KHZ | 2.6m | 55.0 | 20.0 |
| SCEP105H-R30 | 0.3 | 100KHZ | 3.2m | 40.0 | 18.8 |
| SCEP105H-R50 | 0.5 | 100KHZ | 4.1m | 30.4 | 15.0 |
| SCEP105H-R80 | 0.8 | 100KHZ | 5.3m | 25.2 | 13.5 |
| SCEP105H-1R2 | 1.2 | 100KHZ | 8.0m | 21.0 | 11.0 |
| SCEP105H-1R5 | 1.5 | 100KHZ | 10.5m | 18.0 | 8.5 |
| SCEP105H-2R0 | 2.0 | 100KHZ | 12.4m | 15.8 | 8.0 |
| SCEP105H-2R5 | 2.5 | 100KHZ | 18.0m | 14.0 | 7.8 |
| SCEP105H-3R0 | 3.0 | 100KHZ | 23.8m | 12.6 | 7.2 |
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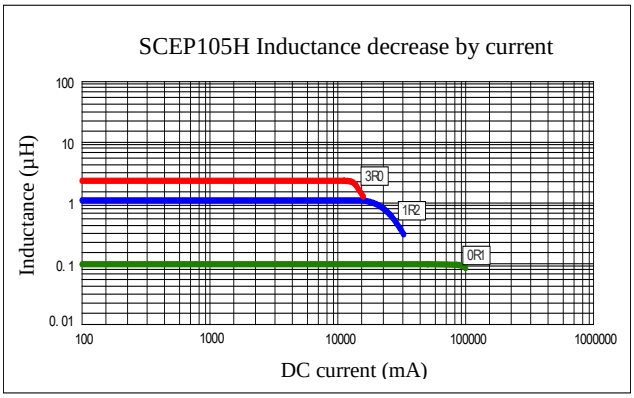


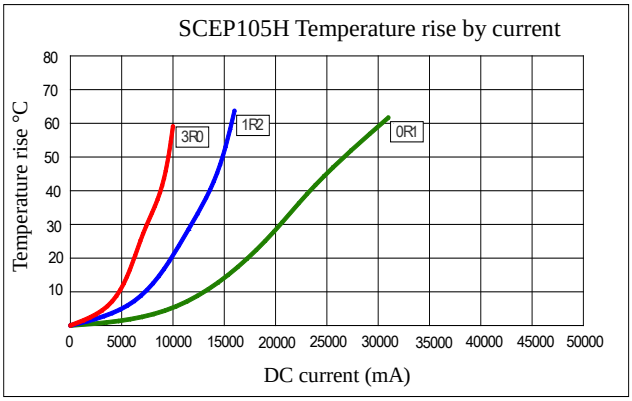


(1). Inductance tolerance for 0.15uH~0.3uH: ±30%, for 0.5uH~3.0uH: ±20%. Tested at 0.25V, 0ADC and 25℃
(2). DCR measured at 25℃.
(3). The DC current at which the inductance decreases by 25% from its initial value.
(4). The DC current that results in a 40℃ temperature rise from 25℃ambient.

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**Custom versions available upon request.**

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