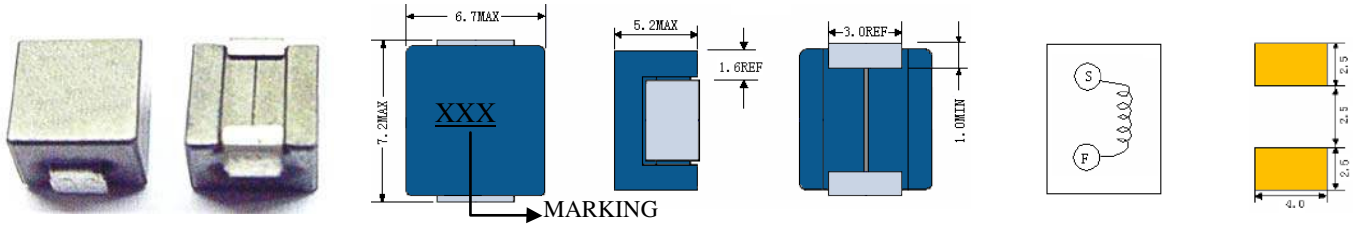


SCPS6450

SMD POWER INDUCTORS



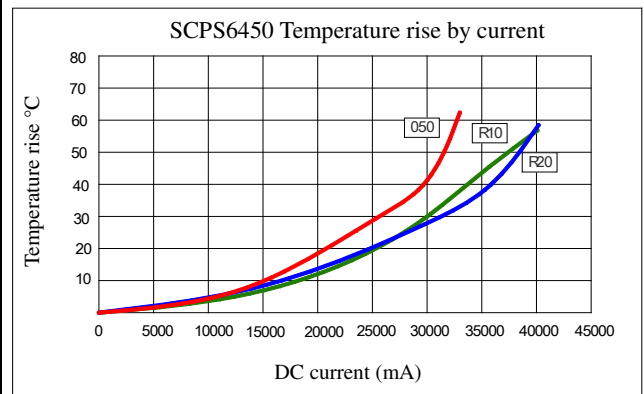
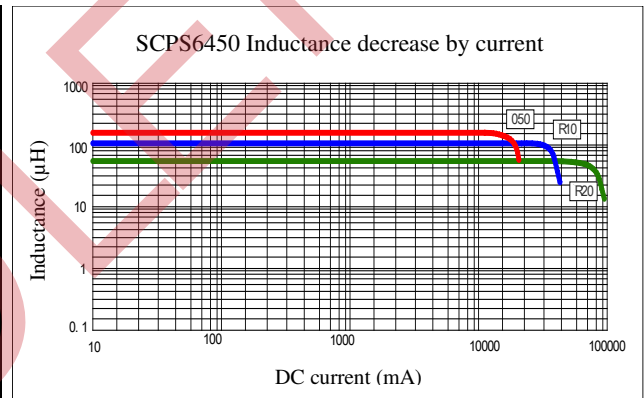
• Features

1. Surface mount inductors designed for high speed switch mode applications requiring low inductance and high current.
2. 125°C operating temperature.
3. Inductance range from 0.05uH to 0.20uH.
3. High Current - up to 75 Amps.

ELECTRICAL CHARACTERISTICS



Part Number	Inductance (uH) (1)	Test Frequency	DC Resistance (Ω MAX) (2)	Saturation Current (A) (3)	Temperature Current (A) (4)
SCPS6450-050	0.05	1MHz	0.29	70	30
SCPS6450-R10	0.10	1MHz	0.29	35.0	30
SCPS6450-R15	0.15	1MHz	0.29	25.5	30
SCPS6450-R20	0.20	1MHz	0.29	19	26



- (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 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.

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