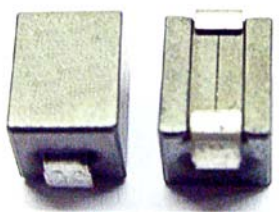
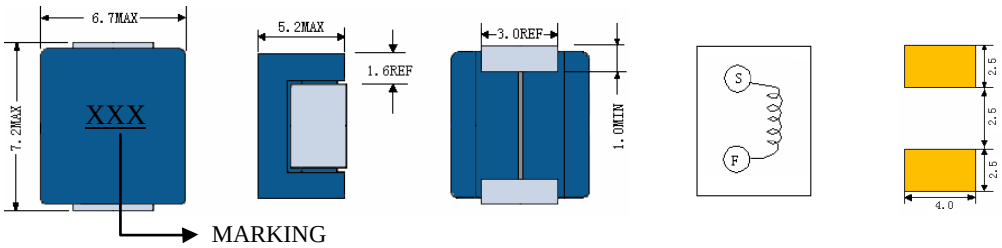
SCPS9050

SMD POWER INDUCTORS



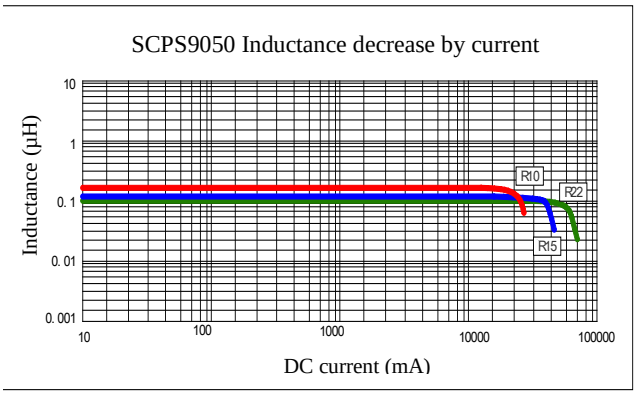


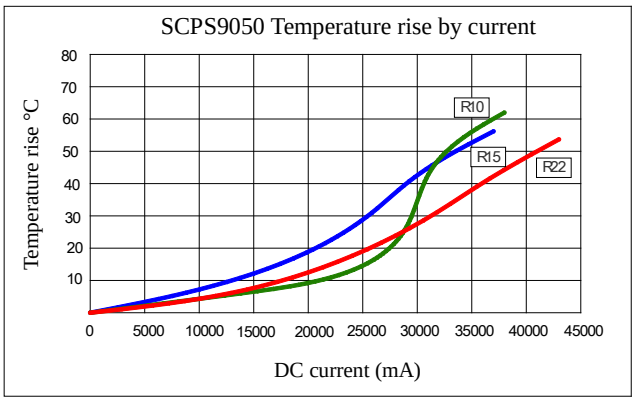
● Features

1. Surface mount inductors designed for high speed switch mode applications requiring low inductance and high current.
2. 125℃ operating temperature.
3. Inductance range from 0.010uH to 0.220uH.
3. High Current - up to 50 Amps.

ELECTRICAL CHARACTERISTICS

Part Number	Inductance (uH) (1)	Test Frequency	DC Resistance (Ω MAX) (2)	Saturation Current (3) (A)	Temperature Current (4) (A)
SCPS9050-R10	0.01	1MHZ	0.35	50	28
SCPS9050-R12	0.12	1MHZ	0.35	42	28
SCPS9050-R15	0.15	1MHZ	0.35	33	28
SCPS9050-R20	0.20	1MHZ	0.35	25	30
SCPS9050-R22	0.22	1MHZ	0.35	23	32





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

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