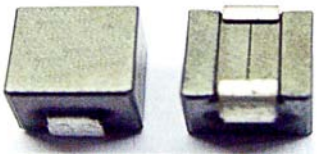
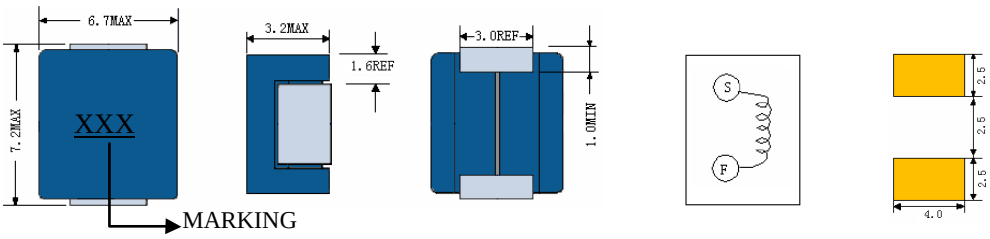
SCPS6430

SMD POWER INDUCTORS



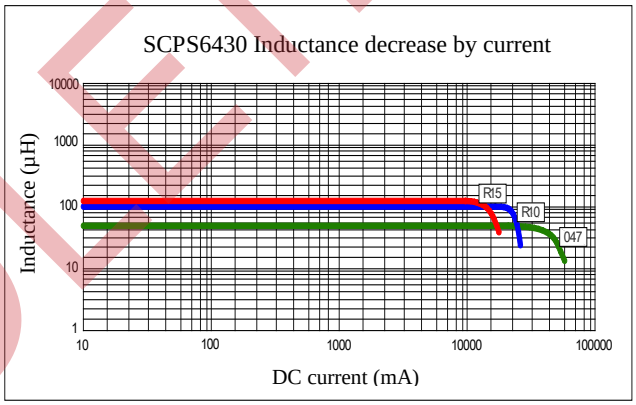


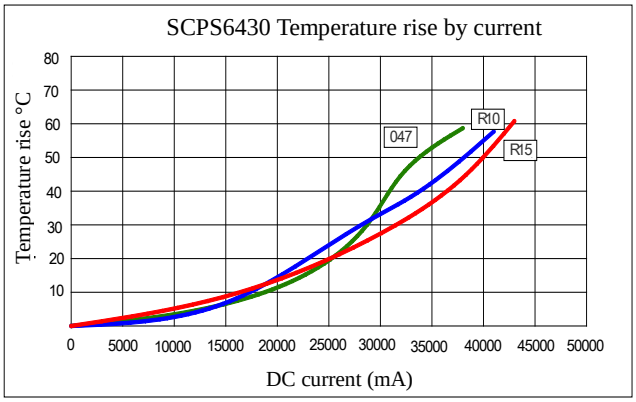
● Features

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 0.047uH to 0.12uH.
3. High Current - up to 47 Amps.

ELECTRICAL CHARACTERISTICS

Part Number	Inductance (uH) (1)	Test Frequency	DC Resistance (Ω MAX) (2)	Saturation Current (3) (A)	Temperature Current (4) (A)
SCPS6430-047	0.047	1MHz	0.26m	42	30
SCPS6430-068	0.068	1MHz	0.26m	32	30
SCPS6430-082	0.082	1MHz	0.26m	26	30
SCPS6430-R10	0.100	1MHz	0.26m	22	30
SCPS6430-R12	0.120	1MHz	0.26m	18	30
SCPS6430-R15	0.150	1MHz	0.26m	14.5	30





(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 25% from its initial value.
(4). The DC current that results in a 40℃ temperature rise from 25℃ambient.

OBSOLETE

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