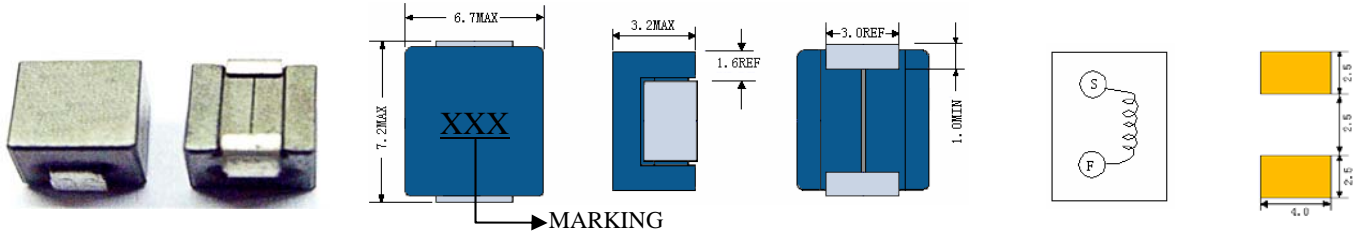


SMD POWER INDUCTORS SMD 功率電感 BCPS6430 TYPE



• Features

1. 125°C maximum total temperature operation. Surface mount inductors designed for higher speed switch mode applications requiring lower inductance and high current.
2. Inductance range from 0.047uH to 0.12uH.
3. Current range up to 47 Amps.

• Applications

1. Next generation microprocessors.

• 特點

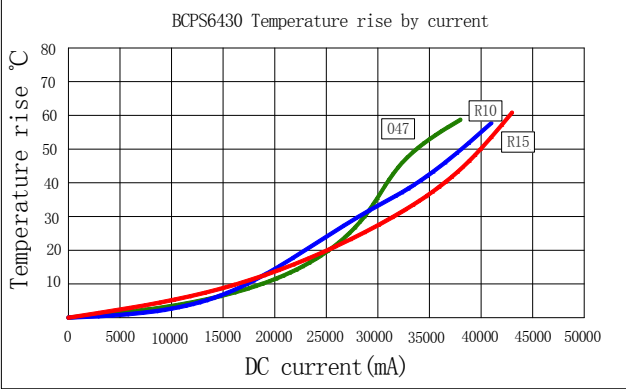
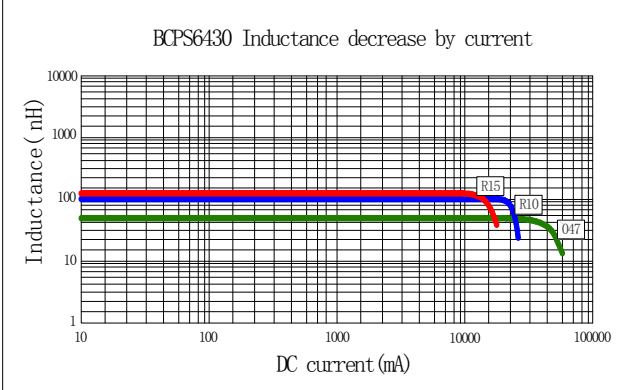
1. 最大操作溫度 125°C。表面裱裝為高速切換要求，為低電感高電流的設備而設計。
2. 電感範圍 0.047uH 到 0.12uH。
3. 電流可達到 42 Amps。

• 應用

1. 新一代微處理器。

ELECTRICAL CHARACTERISTICS FOR 電氣特性 BCPS6430 SERIES

Part Number 料號	Inductance 電感 (uH) (1)	Test Frequency 測試頻率	DC Resistance 電阻(Ω MAX) (2)	Saturation Current ⁽³⁾ 飽和電流(A)	Temperature Current ⁽⁴⁾ 溫升電流(A)
BCPS6430-047	0.047	1MHz	0.26m	42	30
BCPS6430-068	0.068	1MHz	0.26m	32	30
BCPS6430-082	0.082	1MHz	0.26m	26	30
BCPS6430-R10	0.100	1MHz	0.26m	22	30
BCPS6430-R12	0.120	1MHz	0.26m	18	30
BCPS6430-R15	0.150	1MHz	0.26m	14.5	30



(1). Inductance tested at 0.25V. Tolerance of inductance:±20%(M)
 (2). DCR test temp. limits 25°C.
 (3). This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
 (4). To load current onto the components under normal ambience, which cause the temp. change as Δt=40°C or more lower current.
 (5). Please refer saturated current or the minimum temperature current as standard.

(1). 電感測試條件為 0.25V。電感的公差為±20%(M)
 (2). 電阻（測試）溫度為 25°C。
 (3). 是在疊加直流或者直流負載的狀況下，電感比其初始值下降 25%時的電流。
 (4). 在空氣中，一元器件通以電流，使元件表面溫度變化為 Δt=40°C 或低一些的電流值。
 (5). 使用時，請參照飽和電流、溫升電流最小的電流為額定電流。