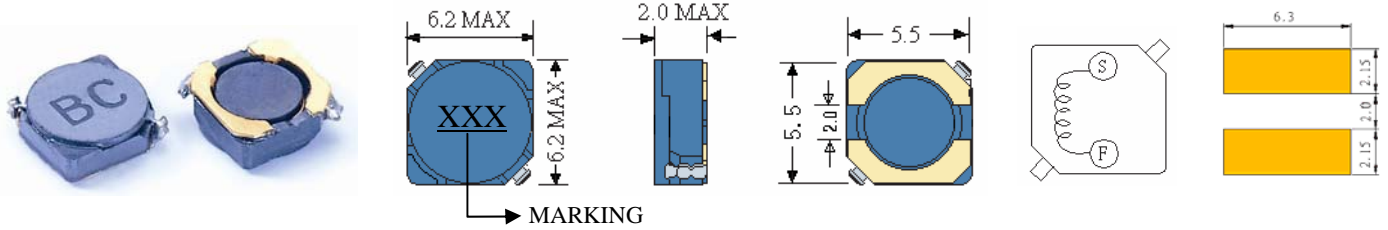


**SMD POWER INDUCTORS SMD 功率電感**  
**BCRH5D18 TYPE**



● Features

1. Various high power inductors are superior to be high saturation for surface mounting.

● Applications

1. Power supply for VTR、OA equipment.
2. LCD television set、notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

● 特點

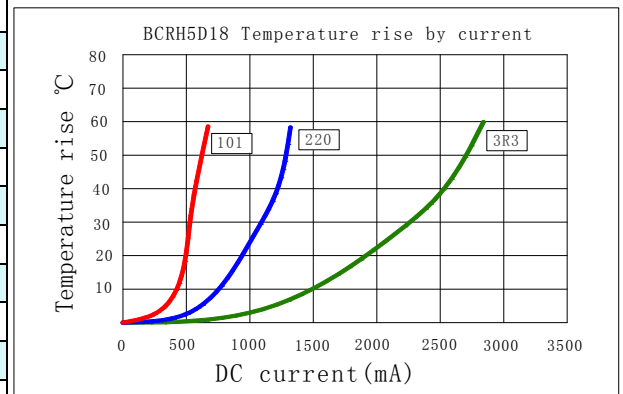
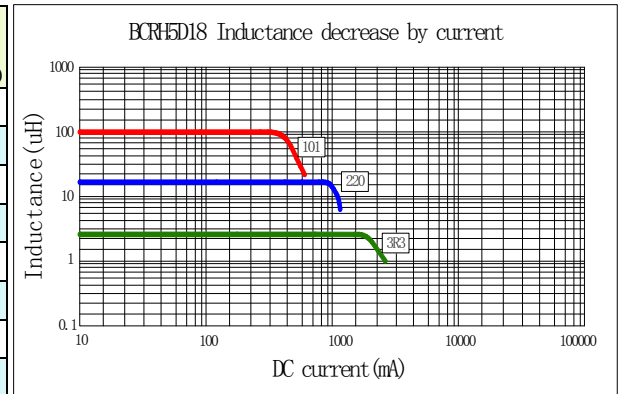
1. 廣闊的感值範圍,是高飽和表面貼裝的最佳選擇.

● 應用

1. 錄影機、辦公自動設備.
2. 液晶電視機、筆記型電腦.
3. 通訊設備.
4. 直流對直流電源供應器等.

**ELECTRICAL CHARACTERISTICS FOR 電氣特性**  
**BCRH5D18 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 飽和電流(A) (3)	Temperature Current 溫升電流(A) (4)
BCRH5D18-3R3	3.3	10KHZ	50m	2.15	2.15
BCRH5D18-4R1	4.1	10KHZ	57m	1.95	1.95
BCRH5D18-5R4	5.4	10KHZ	76m	1.60	1.85
BCRH5D18-6R2	6.2	10KHZ	96m	1.40	1.75
BCRH5D18-8R9	8.9	10KHZ	116m	1.25	1.57
<b>BCRH5D18-100</b>	<b>10</b>	<b>10KHZ</b>	<b>124m</b>	<b>1.20</b>	<b>1.41</b>
BCRH5D18-120	12	10KHZ	153m	1.10	1.37
<b>BCRH5D18-150</b>	<b>15</b>	<b>10KHZ</b>	<b>196m</b>	<b>0.97</b>	<b>1.34</b>
BCRH5D18-180	18	10KHZ	210m	0.85	1.10
<b>BCRH5D18-220</b>	<b>22</b>	<b>10KHZ</b>	<b>290m</b>	<b>0.80</b>	<b>1.00</b>
BCRH5D18-270	27	10KHZ	330m	0.75	0.90
<b>BCRH5D18-330</b>	<b>33</b>	<b>10KHZ</b>	<b>386m</b>	<b>0.65</b>	<b>0.81</b>
BCRH5D18-390	39	10KHZ	520 m	0.57	0.77
BCRH5D18-470	47	10KHZ	595m	0.54	0.73
BCRH5D18-560	56	10KHZ	665m	0.50	0.65
BCRH5D18-680	68	10KHZ	840m	0.43	0.62
BCRH5D18-820	82	10KHZ	978m	0.41	0.55
<b>BCRH5D18-101</b>	<b>100</b>	<b>10KHZ</b>	<b>1.20</b>	<b>0.36</b>	<b>0.50</b>



- (1). Inductance tested at 0.25V. Tolerance of inductance:±30%(M).
- (2). DCR test temp. limits 25°C.
- (3). This indicates the value of current when the inductance is 35% 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±30%(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 35%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。