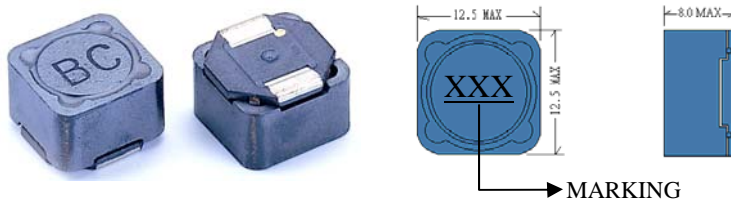


SMD POWER INDUCTORS SMD 功率電感

BCRH127B 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.

ELECTRICAL CHARACTERISTICS FOR 電氣特性

BCRH127B 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)
BCRH127B-1R2	1.2	100KHZ	7.0m	9.80	12.0
BCRH127B-2R4	2.4	100KHZ	11.5m	8.00	10.8
BCRH127B-3R5	3.5	100KHZ	13.5m	7.50	9.20
BCRH127B-4R7	4.7	100KHZ	15.8m	6.80	7.80
BCRH127B-6R1	6.1	100KHZ	17.6m	6.60	5.80
BCRH127B-7R6	7.6	100KHZ	20.0m	5.90	6.30
BCRH127B-100	10	100KHZ	21.6m	5.40	5.67
BCRH127B-120	12	100KHZ	24.3m	4.90	5.10
BCRH127B-150	15	100KHZ	27.0m	4.50	4.85
BCRH127B-180	18	100KHZ	39.2m	3.90	4.36
BCRH127B-220	22	100KHZ	43.2m	3.60	4.00
BCRH127B-270	27	100KHZ	45.9m	3.40	3.60
BCRH127B-330	33	100KHZ	64.8m	3.00	3.24
BCRH127B-390	39	100KHZ	72.9m	2.75	2.91
BCRH127B-470	47	100KHZ	0.10	2.50	2.62
BCRH127B-560	56	100KHZ	0.11	2.35	2.35
BCRH127B-680	68	100KHZ	0.14	2.10	2.23
BCRH127B-820	82	100KHZ	0.16	1.95	2.00
BCRH127B-101	100	100KHZ	0.22	1.70	1.80
BCRH127B-121	120	100KHZ	0.25	1.60	1.70
BCRH127B-151	150	100KHZ	0.28	1.42	1.60
BCRH127B-181	180	100KHZ	0.35	1.30	1.52
BCRH127B-221	220	100KHZ	0.39	1.16	1.44
BCRH127B-271	270	100KHZ	0.56	1.06	1.36
BCRH127B-331	330	100KHZ	0.64	0.95	1.22
BCRH127B-391	390	100KHZ	0.70	0.88	1.03
BCRH127B-471	470	100KHZ	0.98	0.79	0.92
BCRH127B-561	560	100KHZ	1.07	0.73	0.83
BCRH127B-681	680	100KHZ	1.46	0.67	0.75
BCRH127B-821	820	100KHZ	1.64	0.60	0.68
BCRH127B-102	1000	100KHZ	1.82	0.55	0.61

(1). Inductance tested at 0.25V. Tolerance of inductance:

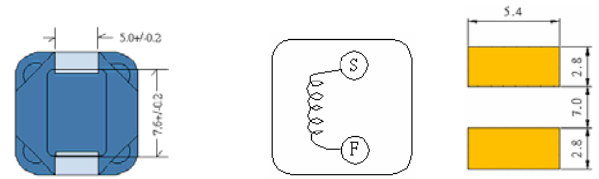
1.2uH~7.6uH: +40%, -20%(N) 10uH~1mH: ±20%(M).

(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 $\Delta t=40^{\circ}\text{C}$ or more lower current.

(5). Please refer saturated current or the minimum temperature current as standard.

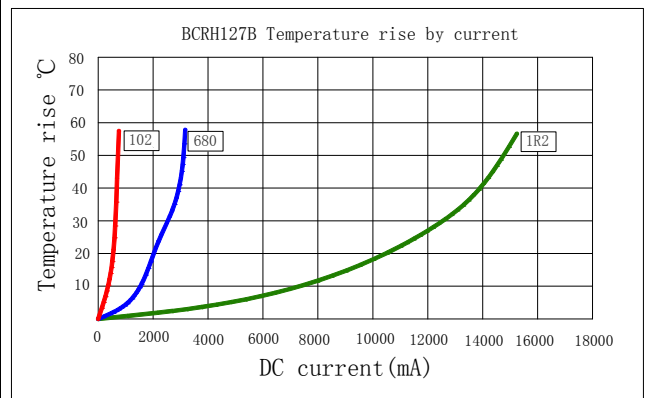
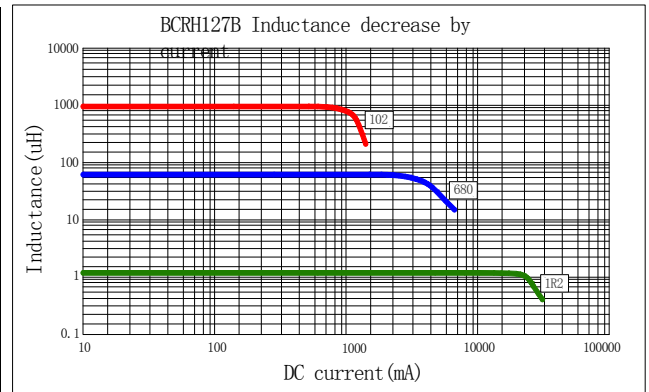


● 特點

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.



(1).電感測試條件為 0.25V。電感的公差為:

1.2uH~7.6uH: +40%, -20%(N) 10uH~1mH: ±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 $\Delta t=40^{\circ}\text{C}$ 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。