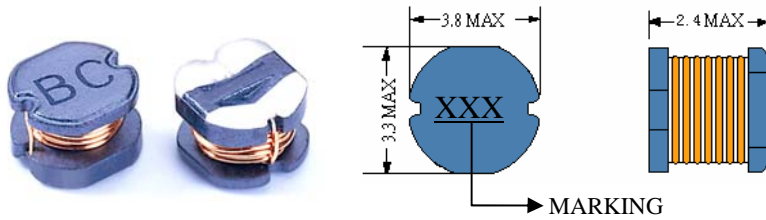


SMD POWER INDUCTORS SMD 功率電感
BC32 TYPE



● Features

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

● Applications

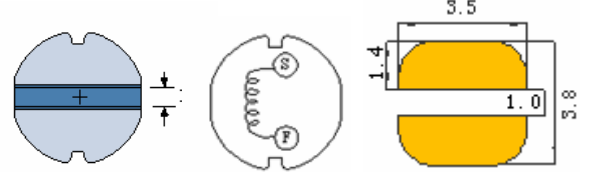
1. Power supply for VTR、OA equipment.
2. LCD television set、notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

ELECTRICAL CHARACTERISTICS FOR 電氣特性
BC32 SERIES

| Part Number 料號 | Inductance 電感 (uH) (1) | Test Frequency 測試頻率 (2) | DC Resistance 電阻(Ω MAX) (2) | Saturation Current (3) 飽和電流(A) | Temperature Current (4) 溫升電流(A) |
|-------------------|------------------------------|----------------------------------|-----------------------------------|--------------------------------------|---------------------------------------|
| BC32-1R0 | 1.0 | 7.96MHZ | 43m | 2.34 | 2.60 |
| BC32-1R4 | 1.4 | 7.96MHZ | 50m | 2.04 | 2.30 |
| BC32-1R8 | 1.8 | 7.96MHZ | 68m | 1.79 | 1.90 |
| BC32-2R2 | 2.2 | 7.96MHZ | 84m | 1.60 | 1.70 |
| BC32-2R7 | 2.7 | 7.96MHZ | 97m | 1.50 | 1.60 |
| BC32-3R3 | 3.3 | 7.96MHZ | 104m | 1.30 | 1.55 |
| BC32-3R9 | 3.9 | 7.96MHZ | 145m | 1.22 | 1.38 |
| BC32-4R7 | 4.7 | 7.96MHZ | 156m | 1.05 | 1.30 |
| BC32-5R6 | 5.6 | 7.96MHZ | 194m | 0.98 | 1.15 |
| BC32-6R8 | 6.8 | 7.96MHZ | 232m | 0.87 | 1.02 |
| BC32-8R2 | 8.2 | 7.96MHZ | 285m | 0.77 | 0.90 |
| BC32-100 | 10 | 2.52MHZ | 373m | 0.71 | 0.80 |
| BC32-120 | 12 | 2.52MHZ | 397m | 0.65 | 0.72 |
| BC32-150 | 15 | 2.52MHZ | 547m | 0.57 | 0.66 |
| BC32-180 | 18 | 2.52MHZ | 592m | 0.52 | 0.64 |
| BC32-220 | 22 | 2.52MHZ | 720m | 0.47 | 0.60 |
| BC32-270 | 27 | 2.52MHZ | 889m | 0.44 | 0.52 |
| BC32-330 | 33 | 2.52MHZ | 961m | 0.39 | 0.47 |
| BC32-390 | 39 | 2.52MHZ | 1.20 | 0.36 | 0.44 |
| BC32-470 | 47 | 2.52MHZ | 1.47 | 0.33 | 0.40 |
| BC32-560 | 56 | 2.52MHZ | 1.80 | 0.31 | 0.39 |
| BC32-680 | 68 | 2.52MHZ | 2.30 | 0.28 | 0.33 |
| BC32-820 | 82 | 2.52MHZ | 2.45 | 0.25 | 0.31 |
| BC32-101 | 100 | 1KHZ | 3.20 | 0.22 | 0.29 |
| BC32-121 | 120 | 1KHZ | 4.10 | 0.20 | 0.25 |
| BC32-151 | 150 | 1KHZ | 4.78 | 0.17 | 0.23 |
| BC32-181 | 180 | 1KHZ | 7.65 | 0.15 | 0.20 |
| BC32-221 | 220 | 1KHZ | 9.20 | 0.13 | 0.17 |
| BC32-271 | 270 | 1KHZ | 9.90 | 0.11 | 0.15 |
| BC32-331 | 330 | 1KHZ | 11.2 | 0.09 | 0.14 |
| BC32-391 | 390 | 1KHZ | 12.7 | 0.09 | 0.13 |
| BC32-471 | 470 | 1KHZ | 14.0 | 0.08 | 0.13 |
| BC32-561 | 560 | 1KHZ | 19.8 | 0.07 | 0.12 |
| BC32-681 | 680 | 1KHZ | 22.7 | 0.06 | 0.11 |

- (1). Inductance tested at 0.25V. Tolerance of inductance:
1.0uH:±30%(N) 1.4uH-680uH:±20%(M).
- (2). DCR test temp. limits 25°C.
- (3). This indicates the value of current when the inductance is 10% 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.
- (6) BC32- XXX X- NL

| | | | |
|-------|------------|-----------|------|
| Model | Inductance | Tolerance | RoHS |
|-------|------------|-----------|------|

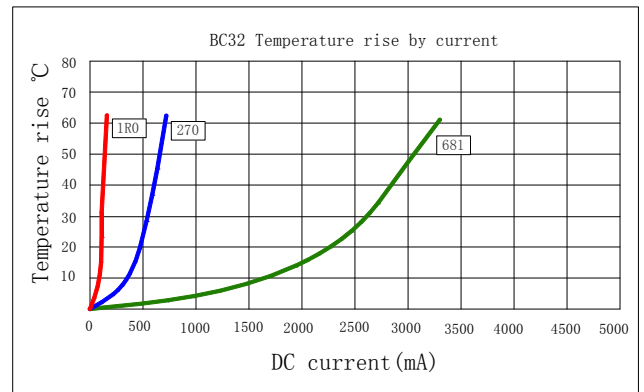
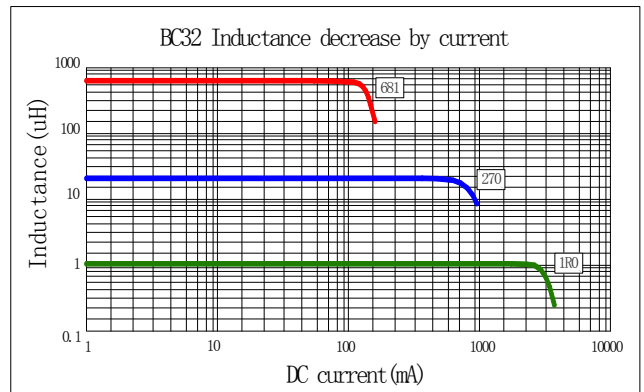


● 特點

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:
1.0uH:±30%(N) 1.4uH-680uH:±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 10%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。