

# SPECIFICATION FOR APPROVAL

## 承 认 书

CUSTOMER

客户名称:

DESCRIPTION

品 名: 共模滤波器

PART NO.

型 号: BCDT0804-2-801B

CUSTOMER PART NO.

客户料号:

APPROVAL SIGNATURE

客户承认签章

APPROVED BY 核 准	Q. C. DEPT. 品 管	CHECKED BY 核 查	DRAWN BY 制 作

深圳市宝创达电子有限公司

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# BCDT0804-2-801B

## DC COMMON MODE FILTER

### FEATURES

- A common mode filter for large current applications.  
Common mode impedance surpasses 300Ω at 60MHz-350MHz.  
Noise is greatly suppressed.
- Capable of handling the highest current(up to 4.5A) of any common mode filter.
- Height and size have been considered ,resulting in a compact and light-weight choke coil.Applicable for the miniaturization required to reduce the size and weight of portable equipment.
- The products contain no lead and also support lead-free soldering.
- The product does not contain regulatde substances that are slated to be included in ROHS.

### APPLICATIONS

Used for power line noise suppression for any electronic-devices  
Used to counter adapter/battery line noise for relatively large electronic devices such as notebook PCs, stand-alone word processors, etc

### TEMPERATURE RANGES

Operating	-40to+100℃
Storage (After mount)	-40to+100℃

### Part Number System

BCDT 0804 -2 -801 B

① ② ③ ④ ⑤

- ① Type:BCDT
- ② Core External Dimensions(mm):8\*4
- ③ Number of Lines: 2
- ④ Impedance:801=800Ω
- ⑤ Packing:Bulking

### ELECTRICAL CHARACTERISTICS

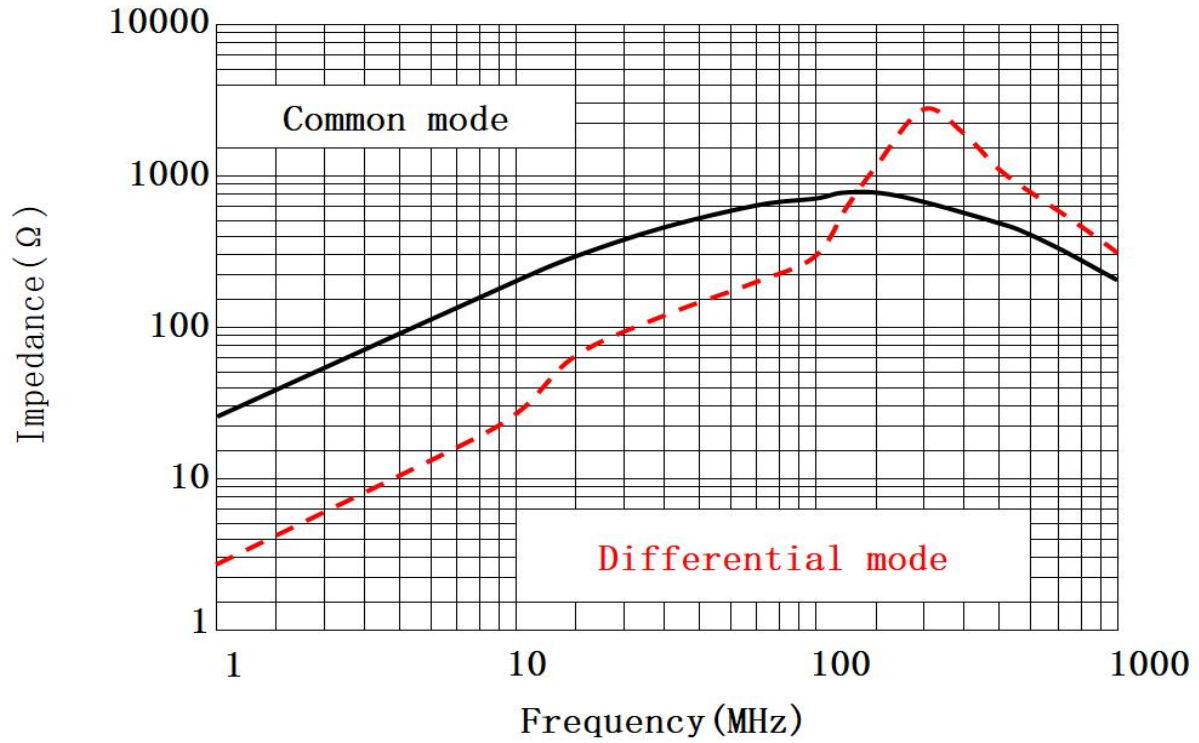
Part No.	Impedance		DC resistance	Rated current	Insulation resistance
	(Ω)typ [at 170MHz]	(Ω)min [at 60MHz - 350MHz]	(mΩ)max[1 line]	ldc(A)max	(MΩ)min
BCDT0804-2-801B	800	300	15	4.5	10

## DC COMMON MODE FILTER

## TYPICAL ELECTRICAL CHARACTERISTICS

## IMPEDANCE vs. FREQUENCY CHARACTERISTICS

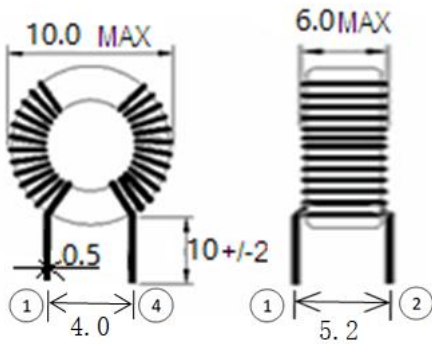
BCDT0804-2-801B



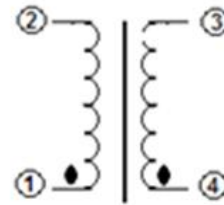
## DC COMMON MODE FILTER

## SHAPES AND DIMENSIONS/CIRCUIT DIAGRAM

◆ Dimensions (mm)



Schematics (Bottom)



No polarity

## GENERAL CHARACTERISTICS

1. STORAGE TEMPERATURE RANGE :  $-40^{\circ}\text{C} \sim +100^{\circ}\text{C}$
2. OPERATING TEMPERATURE RANGE :  $-40^{\circ}\text{C} \sim +100^{\circ}\text{C}$  (INCLUDING SELF TEMPERATURE RISE)
3. EXTERNAL APPEARANCE : NO EXTERNAL DEFECTS CAN BE FOUND IN THE VISUAL INSPECTION.
4. TERMINAL STRENGTH : NO DISTINGUISHED TERMINAL PEELING OFF OR WIRE BROKEN SHOULD BE FOUND AFTER EACH OF THE TERMINAL IS APPLIED WITH STATIC PULLING FORCE OF 8N FOR  $60 \pm 5$  SECONDS.
5. HEAT RESISTANCE : NO DISTINGUISHED STRUCTURE AND ELECTRIC DEFECTS SHOULD BE FOUND AFTER  $1.5 \pm 0.5\text{mm}$  HIGH BOTTOM OF ALL THE TERMINALS ARE IMMERSDEDD IN THE MELTED SOLDER OF  $270 \pm 5^{\circ}\text{C}$  FOR  $5 \pm 1$  SECONDS.