SPECIFICATION FOR APPROVAL

承　认　书

CUSTOMER

客户名称：

DESCRIPTION

品　　名：共模滤波器

PART NO.

型　　号：BCDT1005-2-122B

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

SHENZHEN BAOCHUANGDA ELECTRONICS CO.,LTD.

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Http:// www.bcdcn.com

BCDT1005-2-122B

DC COMMON MODE FILTER

FEATURES

- A common mode filter for large current applications.
  Common mode impedance surpasses 450Ω at 35MHz-120MHz.
  Noise is greatly suppressed.
- Capable of handling the highest current(up to 7A) 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 electonic-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℃
torage(After mount	—40to+100℃

Part Number System

BCDT 1005 -2 -122 B

① ② ③ ④ ⑤

① Type:BCDT
② Core External Dimensions(mm):10*5
③ Number of Lines: 2
④ Impedance:122=1200Ω
⑤ Packing:Bulking

ELECTRICAL CHARACTERISTICS

Part No.	lmpedance		DC resistance	Rated current	lnsulation resistance
	(Ω)typ [at 70MHz]	(Ω)min [at 35MHz－120MHz]	(mΩ)max[1 line]	Idc(A)max	(MΩ)min
BCDT1005-2-122B	1200	450	10	7	10

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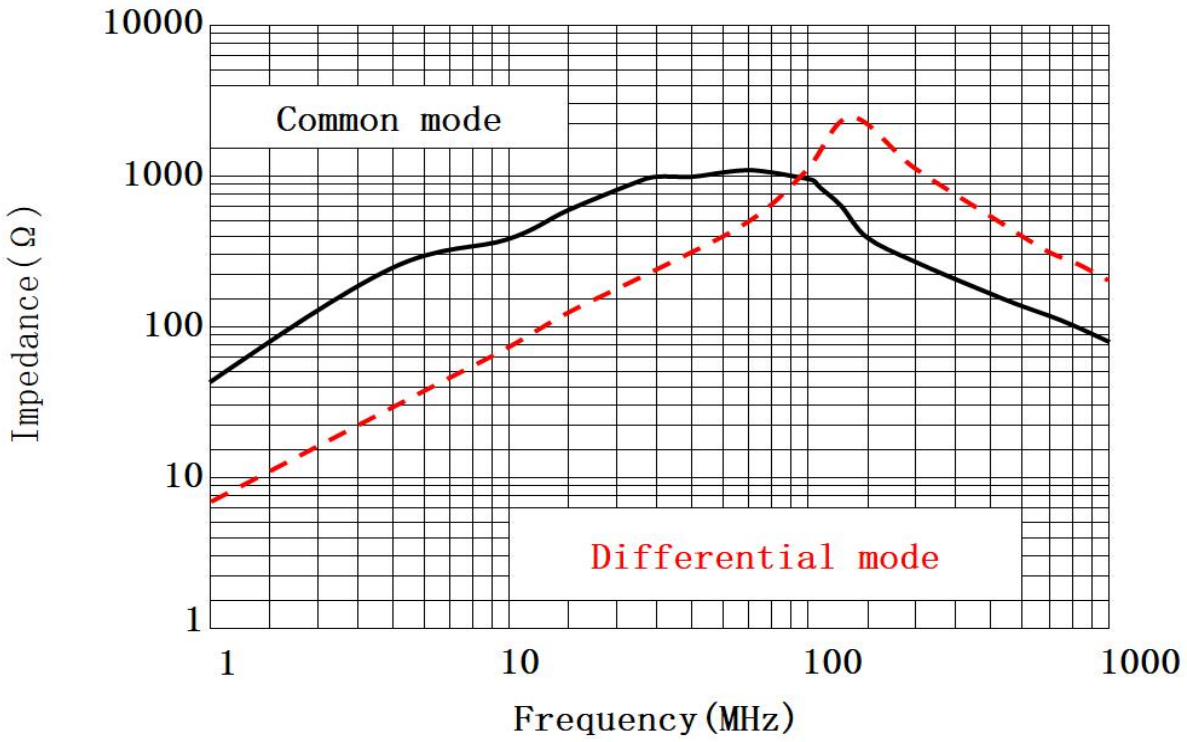
TYPICAL ELECTRICAL CHARACTERISTICS

IMPEDANCE vs.FREQUENCY CHARACTERISTICS

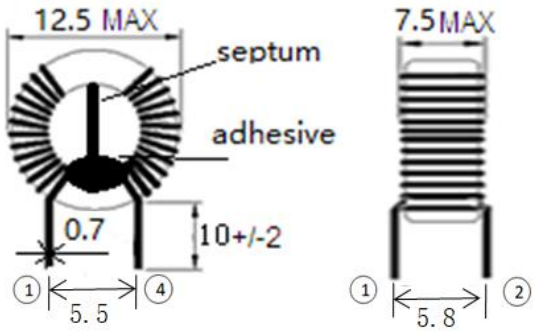
BCDT1005-2-122B



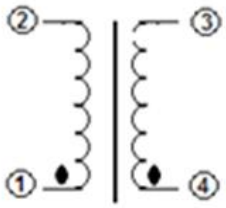
DC COMMON MODE FILTER

SHAPES AND DIMENSIONS/CIRCUIT DIAGRAM

◆ Dimensions(mm)



Schematics(Bottom)



No polarity

GENERAL CHARACTERISTICS

1. STORAGE TEMPERATURE RANGE : -40℃～＋100℃

2. OPERATING TEMPERATURE RANGE : -40℃～＋100℃ (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±5 SECONDS.

5. HEAT RESISTANCE : NO DISTINGUISHED STRUCTURE AND ELECTRIC DEFECTS SHOULD BE FOUND AFTER 1.5±0.5mm HIGH BOTTOM OF ALL THE TERMINALS ARE IMMERSEDD IN THE MELTED SOLDER OF 270±5℃ FOR 5±1 SECONDS.

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