

# SPECIFICATION FOR APPROVAL

# 承 认 书

CUSTOMER

NUMBER

客户名称:

编 号:

DESCRIPTION

QUANTITY

品 名: 贴片共模滤波器

数 量:

PART NO.

DATE

型 号: BCCM7660-2-451T01

日 期:

CUSTOMER PART NO.

NOTE

客户料号:

注 解:

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

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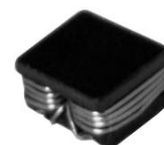
Http:// www.bcdcn.com

# BCCM7660-2-451T01

## DC COMMON MODE FILTER

### FEATURES

- A chip-type common mode filter for large current applications. Common mode impedance surpasses 450Ω at 100MHz. Noise is greatly suppressed.
- Capable of handling the highest current(up to 3A) of any chip-type 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+125°C
Storage(After mount)	-40to+125°C

### Part Number System

BCCM 7660 -2 -451 T 01

① ② ③ ④ ⑤ ⑥

- ① Type:BCCM
- ② External Dimensions(L×W)(mm):7.6\*6.0
- ③ Number of Lines: 2
- ④ Impedance:451=450Ω
- ⑤ Packing:Tape & Reel
- ⑥ Management Symbol:01

### ELECTRICAL CHARACTERISTICS

Part No.	Impedance (Ω)min[at 100MHz]	DC resistance (mΩ)max[1 line]	Rated current Idc(A)max	Insulation resistance (MΩ)min
BCCM7660-2-451T01	450	30	3	10

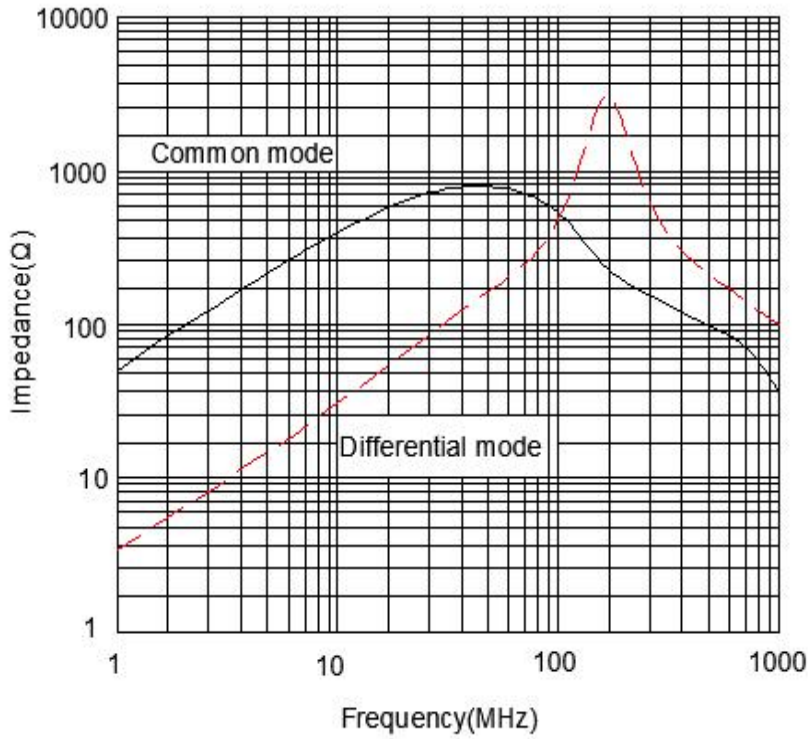
# BCCM7660-2-451T01

## DC COMMON MODE FILTER

### TYPICAL ELECTRICAL CHARACTERISTICS

### IMPEDANCE vs. FREQUENCY CHARACTERISTICS

BCCM7660-2-451T01



# BCCM7660-2-451T01

## DC COMMON MODE FILTER

SHAPES AND DIMENSIONS/CIRCUIT DIAGRAM/RECOMMENDED  
PC BOARD PATTERN (REFLOW SOLDERING)

◆ Dimensions (mm)

UNIT: mm

A:  $7.6 \pm 0.5$

B:  $6.0 \pm 0.5$

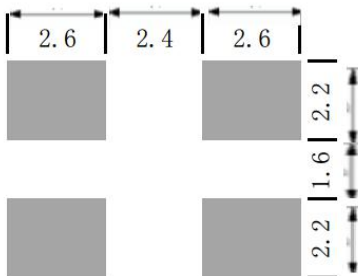
C: 4.3 (MAX)

D: 2.60 E: 2.50

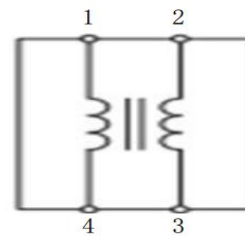
F: 2.10 G: 1.80



◆ Land Pattern (mm)



◆ Schematics (Bottom)

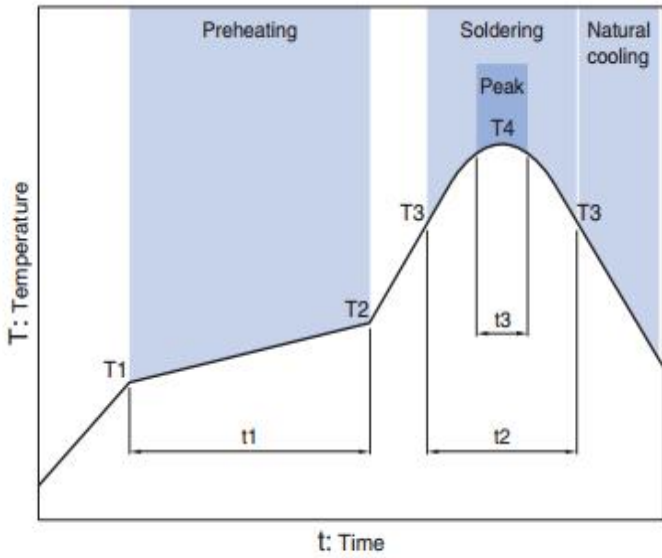


No polarity

# BCCM7660-2-451T01

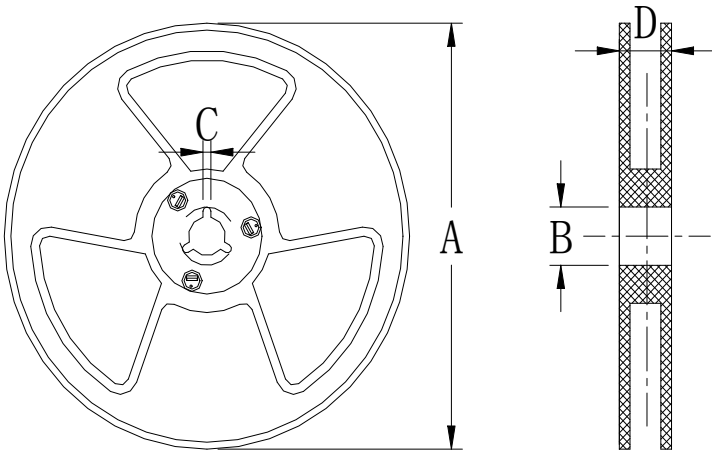
## DC COMMON MODE FILTER

### Recommended Reflow Temperature Curve



Preheating			Soldering		Peak	
Temp.	Temp.	Time	Temp.	Time	Temp.	Time
T1	T2	t1	T3	t2	T4	t3
150°C	180°C	60 to 120s	230°C	10 to 30s	245°C	5s

Package size (mm)



Specs size	13"	7"
A	$\Phi 330 \pm 2.0$	$\Phi 178 \pm 2.0$
B	$\Phi 90 \pm 2.0$	
C	2.3	
D	21.5	