

BOURNS (DONGGUAN) ELECTRONICS CO., LTD

SPECIFICATION FOR APPROVAL

CUSTOMER: TI

AGENCY: -----

CUSTOMER P/N: ----- CUSTOMER REV.: -----

BOURNS P/N.: ----- BOURNS REV.: 01

PRODUCT NAME: INDUCTOR PROJECT No.: MAG-3001497

DESCRIPTION: PFC INDUCTOR

FILE No.: BD3RD-R3218 RELEASED DATE: 7-Dec-2023

POSITION	SIGNATURE	DATE
DE	Tom Cao	7-Dec-2023
ME	Yunyang Huang	7-Dec-2023
CHECKED	Alex Deng	7-Dec-2023
APPROVED	Xianming Tan	7-Dec-2023
BOURNS CACHET		

SIGNATURE	
NAME	
POSITION	
DATE	
CUSTOMER CACHET	

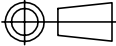
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Address: No.3 Xisha Road, Xinan Area, Shijie Town, Dongguan City, Guangdong Province, China
Telephone: +86(769)8632-7771 Fax: +86(769)8632-7773

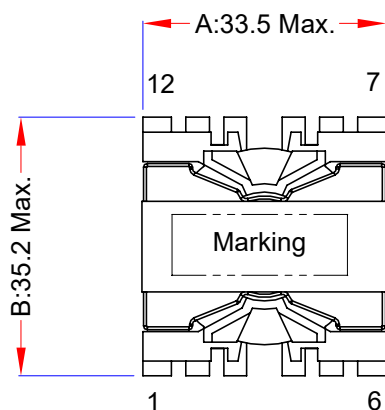
AMENDMENT RECORD

Rev.	Reason For Change	Details	Approved by	Approved Date
01	The First Submittal	---	Xianming Tan	7-Dec-2023
PRELIMINARY				

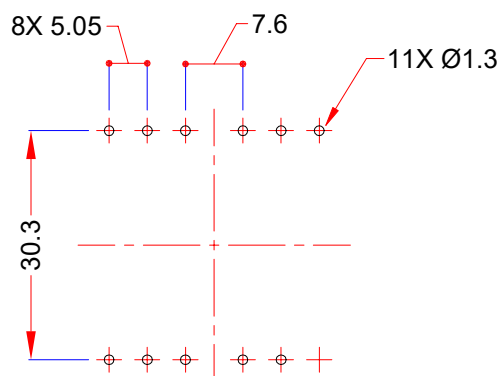
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		PRODUCT NAME: INDUCTOR		
BOURNS (DONGGUAN) ELECTRONICS CO., LTD				
TOLERANCE (UNLESS OTHERWISE SPECIFIED)	SCALE: NTS.	PROJECT NO.: MAG-3001497	CUSTOMER: TI	
0<L<5:±0.1 5<L<16:±0.3 16<L<50:±0.5	ANGLE: ±1°		CUSTOMER P/N: -----	REV.: -----
PAGE NO.: 1 OF 5			BOURNS P/N: -----	REV.: 01

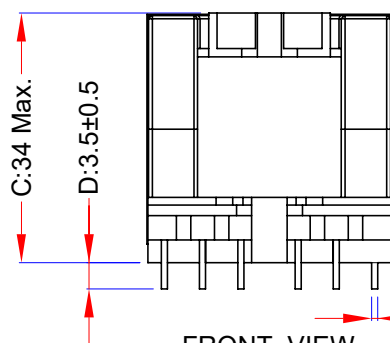
1. DIMENSIONS (mm):



TOP VIEW

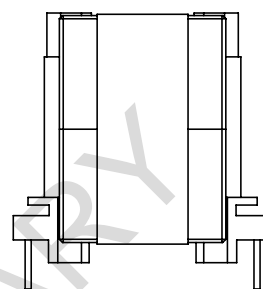


RECOMMENDED PCB LAYOUT (TOP VIEW)

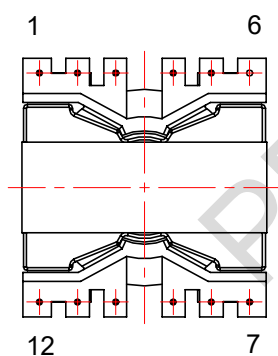


FRONT VIEW

E:11X Ø0.8±0.1



RIGHT VIEW



BOTTOM VIEW

REMARKS

Remove pin 6#

MARKING

BOURNS
BXXXXXXXX
YYWW X R

BXXXXXXXX --- Part number
YY --- Year
WW --- Week
X --- Day

Day	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.
Code	A	B	C	D	E	F	G

R --- Revision

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BOURNS®

BOURNS (DONGGUAN) ELECTRONICS CO., LTD

PRODUCT NAME:

INDUCTOR



TOLERANCE
(UNLESS OTHERWISE SPECIFIED)

SCALE:

NTS.

PROJECT NO.:

MAG-3001497

CUSTOMER:

TI

CUSTOMER P/N:

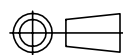
REV.: -----

BOURNS P/N:

REV.: 01

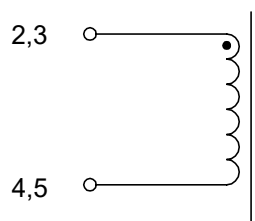
0<L<5:±0.1
5<L<16:±0.3
16<L<50:±0.5

ANGLE:
±1°



PAGE NO.: 2 OF 5

2. SCHEMATIC:



● Means the same polarity

3. ELECTRICAL CHARACTERISTIC: At 25 °C

NO.	ITEM	TERMINAL	ELECTRICAL CHARACTERISTICS	TOL	TEST METERS/ CONDITION	REMARKS
1	INDUCTANCE @0ADC	2,3-4,5	340μH	±10%	WK-3260B/100kHz, 1V	
2	INDUCTANCE @9.2ADC	2,3-4,5	L0A*80%	Min.	WK-3260B/100kHz, 1V	
3	DC RESISTANCE	2,3-4,5	142mΩ	Max.	CH-502AC	
4	HI-POT	Winding-Core	500Vac, 1sec	No Breakdown	CH-19053/50Hz,5mA Max.	

4. NOTES:

- 4.1 Operation Temperature: -40°C to +125°C (Including temperature rise)
- 4.2 Storage Temperature for part in packaging: -40°C to +85°C
- 4.3 The dimension determined from the terminal pins is derived from the pin material alone. It does not include, or factor in, solder deposits or icicles from the manufacturing processes.
- 4.4 Appearance inspection reference to general cosmetics standard (Prototype and engineering samples are not included)

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PAGE NO.: 3 OF 5			BOURNS P/N: -----		
			REV.: 01		



Industrial, Consumer

Prototype Product / Sample Disclaimer and Limitation of Liability

Bourns® part number: -----

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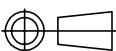
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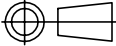
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DEVIATIONS

ITEM	Description	Customer Specified	Our Change	Reason	Approval

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