BOURIS

SPECIFICATION FOR APPROVAL

Title	PFC Inductor		
Reference Design	TIDA-010933		
Bourns Part Number	145450	Rev	X9
Customer			
Customer Part Number		Rev	

Designed		
Drawn	MD	06/June/2024
Checked		
Approved		

Customer Approval			
Name			
Position			
Date			

V0 D6746

B180965

CHANGE HISTORY						
Revision	Date		Description of Change	Approved	Date	
X1	21 Jun 2023		Bobbin widened by 1.5 mm			
X2	28 Jun 2023		Bobbin Modified to include Mounting Features			
Х3	26/Jul/2023		Elec Spec Updated			
X4	14/12/2023		Addition of Bourns Part Number			
X5	15/Jan/2024		Spacers Added			
Х6	16/Feb/2024		Bobbin Modifications			
X7	20/May/2024		Updated Elec. Spec.			
X8	23/May/2024	Char	nged Bobbin, Removed Spacer, Updated Electrical Specification			
Х9	06/Jun/2024		Minor Updates			
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			Project Number	17 41 550	10.5	

Project Number

Bourns P/N

Customer P/N

B180965 V0 D6746

Customer

MAG-3001799

145450

16 < L < 50 : ±0.5

Units: mm

Scale: NTS

RoHS and REACH Compliant

Rev

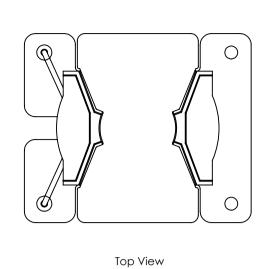
Rev

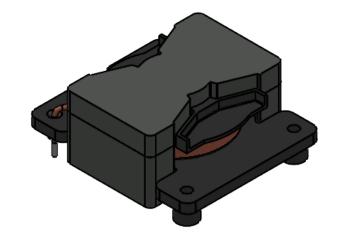
X9

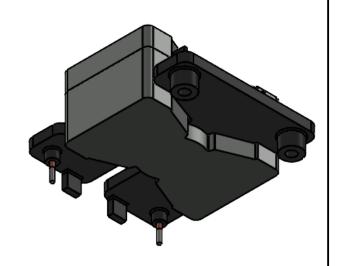
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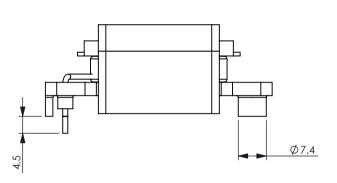
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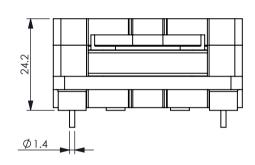




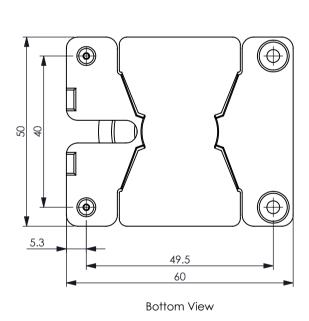


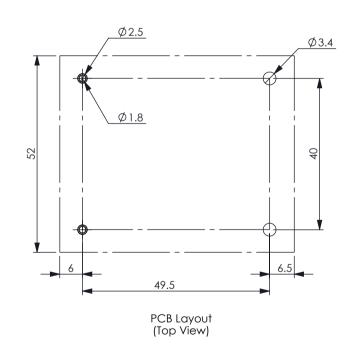


Front View



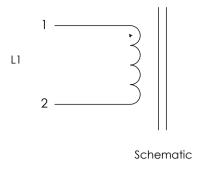
End View





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BOURNS	Project Number MAG-3001799		Tolerance (Unless Otherwise Specified) 0 < L < 5 : ±0.1 Angle 5 < L < 16 : ±0.3 ± 1° 16 < L < 50 : ±0.5	
	Bourns P/N	Rev	Units: mm	\bigcirc
B180965 V0 D6746	145450	X9	Scale: NTS	DRAWN IN THIRD ANGLE PROJECTION.
Customer	Customer P/N	Rev	RoHS and REACH Compliant	Page: 3 of 9



ELECTRICAL SPECIFICATION

No.	Item	Terminal	Value	Tolerance	Condition	Remarks
1	Inductance	L1	200 µH	±10%	1V at 120kHz	
2	Saturation Current	L1	15 A	±10%		
3	DC Resistance	L1	50 mΩ	±10%		

GENERAL INFORMATION

1. Operating Temperature: -40°C to +125°C Including Temperature Rise

2. Storage Temperature: -40°C to +85°C

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