

Features

- Low profile and small size
- Designed to comply with IEC 62368
- Functional insulation for 400 Vrms continuous operation voltage
- Operating temperature: -40 °C to +125 °C
- RoHS compliant*

Applications

- Isolated RS-485/RS-232 power supplies
- Industrial automation
- AC motor drives
- Smart metering
- Solar inverters

PAD00x-T764 Series Push-Pull Isolation Transformer

General Specifications

Operating Temperature.....	-40 °C to +125 °C
Storage Temperature (with packaging).....	-10 °C to +40 °C
Storage Temperature (without packaging).....	-40 °C to +125 °C
Current Rating.....	350 mArms
HI-POT Pri / Sec.....	3100 VAC / 1 mA / 2 s
Level of Insulation.....	Functional insulation for a working voltage of 400 Vrms per IEC 62368, Material Group III, Pollution Degree 2
Moisture Sensitivity Level.....	1

Additional Information

Click these links for more information:


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[INVENTORY](#)

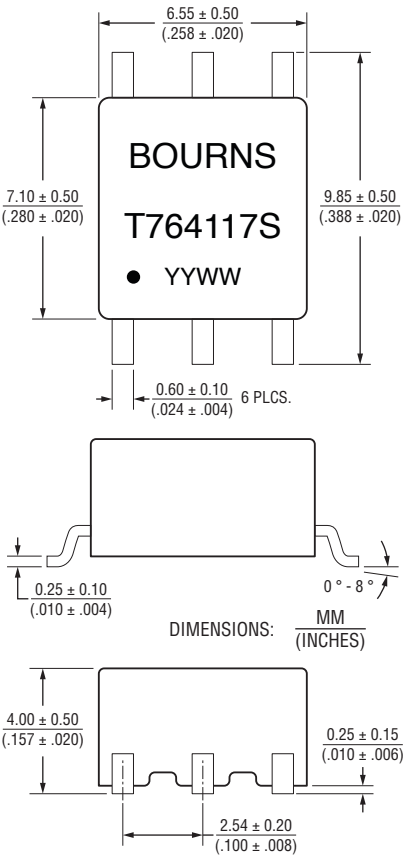

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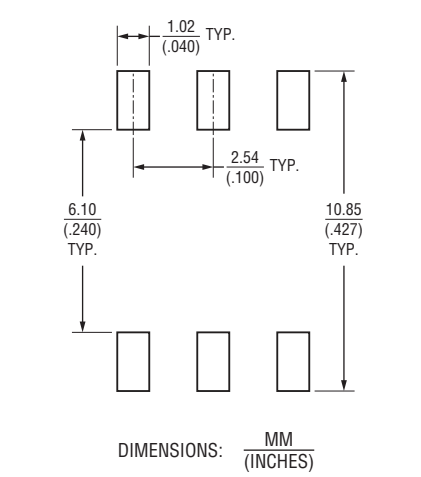
Electrical Specifications @ 25 °C

Bourns Part Number	Primary Inductance @ 100 kHz / 0.1 V ±10 % (µH)	Turns Ratio	Volt Microseconds Max. (V-µS)	DCR Max. (mΩ)	DCR Max. (mΩ)	Isolation Voltage (Volts RMS)
	(1-3)	(1-3) : (6-4)	(1-3)	(1-3)	(6-4)	(1-3) : (6-4)
PAD001-T764117S	475	1:1.7	11	550	800	3100
PAD001-T764120S	475	1:2	11	550	850	3100
PAD002-T764111S	475	1:1.1	11	550	700	3100
PAD002-T764113S	475	1:1.3	11	550	750	3100

Product Dimensions



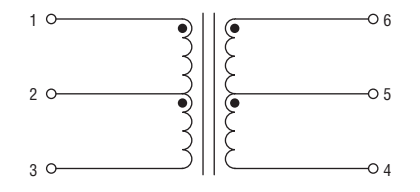
Recommended Layout



Materials

- Core..... Ferrite
- Wire..... Copper
- Case..... DAP
- Terminal Finish..... Sn
- Packaging..... 800 pcs. per 13-inch reel

Electrical Schematic

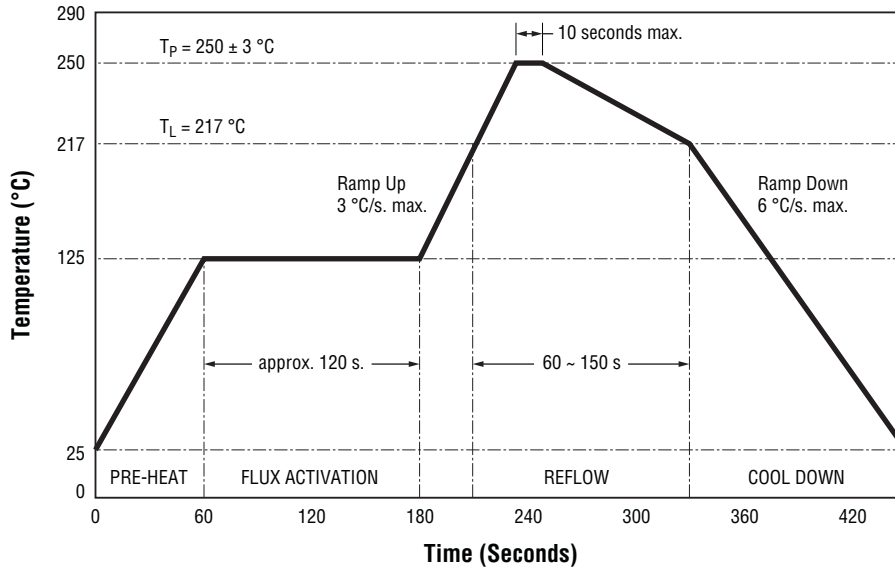


* RoHS Directive 2015/863, Mar 31, 2015 and Annex. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

PAD00x-T764 Series Push-Pull Isolation Transformer



Soldering Profile



Time within 5 °C of actual Peak Temperature (t _p)	20 ~ 40 s.
T _s min.	150 °C
T _s max.	200 °C
T _s min. to T _s max.	60 - 180 s.
25 °C to Peak Temperature	8 minutes max.

How to Order

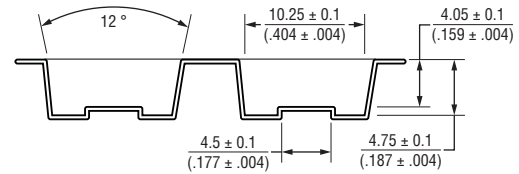
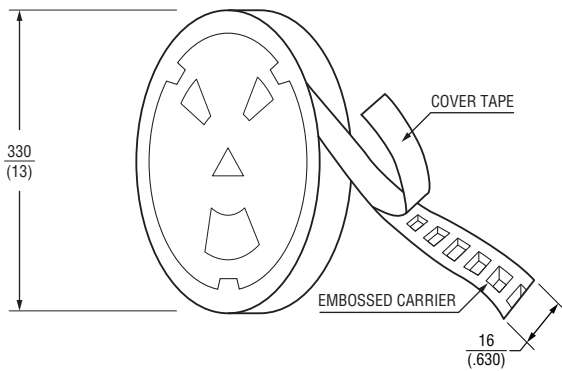
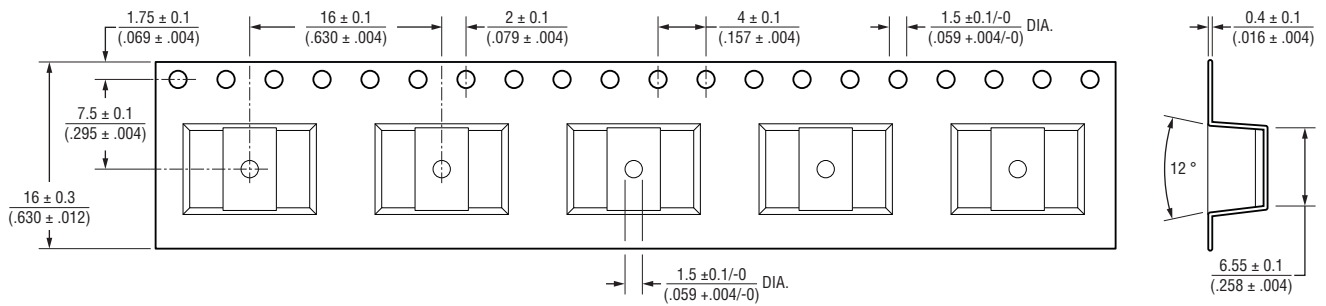
PAD 001 - T 764 117 S

Model _____	_____
PAD = Push-pull Isolation Transformer	
Power Rating _____	_____
001 = 1 W	
Core _____	_____
T = Toroid	
Dimension _____	_____
764 = 7.10 x 6.55 x 4.0 mm	
Turns Ratio _____	_____
111 = 1 : 1.1	
113 = 1 : 1.3	
117 = 1 : 1.7	
120 = 1 : 2	
PCB Type _____	_____
S = SMD	

PAD00x-T764 Series Push-Pull Isolation Transformer

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Packaging Specifications



DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

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REV. 08/21

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