

Features

- Single-turn cermet/open-frame
- 2 mm size meets EIA/EIAJ standard trimmer footprint
- RoHS compliant*
- For trimmer applications/processing guidelines, click here

TC42 - 2 mm SMD Trimpot® Trimming Potentiometer

Electrical Characteristics

Environmental Characteristics

Power Rating (50 VDC max.)

Physical Characteristics

- (1) Use an adjustment tool with the following recommended measurements:
 - 1.2 mm (.047 in.) blade slot0.2 mm (.008 in.) slot width

The recommended adjustment tool size is not available from Bourns. Please contact a Bourns representative for further information.

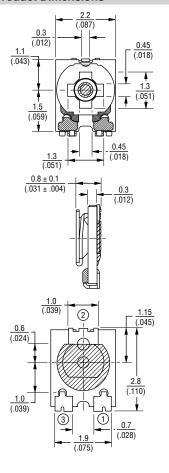
Cautions

- · Aqueous cleaning not recommended
- Flow soldering not recommended; use reflow soldering
- Model TC42 is not designed to be used with flux - use care with flux when soldering
- It is not recommended to adjust the Model TC42X-2 past the effective rotary angle.
- If an excessive force is applied to the sliding part (the operating shaft) when adjusting the resistance value, the sliding part may be deformed or broken.

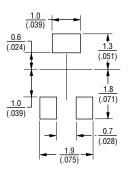


*RoHS Directive 2011/65/EU and amendment of Annex II 2015/863.

Product Dimensions



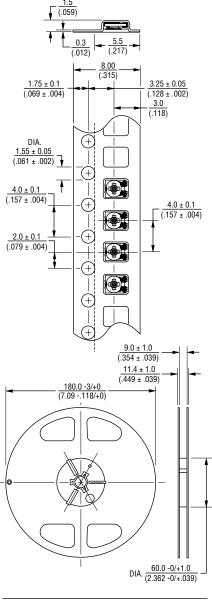
Recommended Land Pattern



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Packaging Specifications



DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$ TOLERANCES: $\pm \frac{0.3}{(0.01)}$ EXCEPT WHERE NOTED



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How To Order TC42 X - 2 - 103 E Model Style Standard Product Indicator -2 = Cross Slot Rotor Resistance Code Embossed Tape Designator E = 3000 pcs./7 " Reel (Standard) Tape and reel material meets Antistatic ANSI/

ESD 5541-2003 packaging standards.

Recommended Storage Conditions

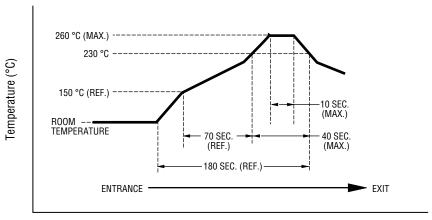
Temperature+5 °C to +35 °C Humidity.....45 % to 85 % RH

Standard Resistance Table

Resistance	Resistance
(Ohms)	Code
100	101
200	201
500	501
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
50,000	503
100,000	104
200,000	204
500,000	504
1,000,000	105

Popular distribution values listed in boldface.

Recommended Reflow Solder Profile



Time (Seconds)

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