

Features

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

TC42 - 2 mm SMD Trimpot® Trimming Potentiometer

Electrical Characteristics

Environmental Characteristics

ESD Classification (HBM)......2

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

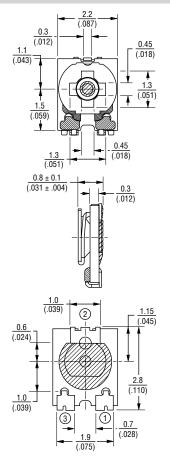
The recommended adjustment tool size is not available from Bourns. Please contact a Bourns representative for further information.

Cautions

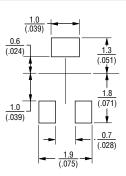
- · Aqueous cleaning not recommended
- Flow soldering not recommended; use reflow soldering
- Model TC42 is not designed to be used with flux - use care with flux when soldering
- It is not recommended to adjust the Model TC42X-2 past the effective rotary angle.
- If an excessive force is applied to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



Product Dimensions



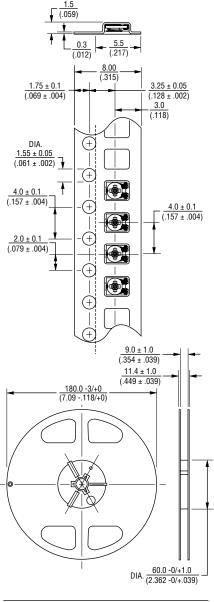
Recommended Land Pattern



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Packaging Specifications



*RoHS Directive 2015/863, Mar. 31, 2015 and Annex

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BOURNS

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

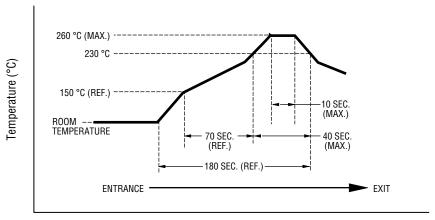
| Temperature | +5 °C to +35 °C |
|-------------|-----------------|
| Humidity | 45 % to 85 % RH |

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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