
BOURNS®

## Features

- Recommended for reflow soldering
- Rotor design compatible with pick and place and automatic adjustment equipment
- 3 mm size meets EIA/EIAJ standard trimmer footprint
- Bottom adjust
- RoHS compliant* - see processing information on RoHS compliant surface mount trimmers

# TC34 - 3 mm SMD Trimpot® Trimming Potentiometer

### Electrical Characteristics

Standard Resistance Range
.....100 ohms to 1 megohm
(see standard resistance table)
Resistance Tolerance ..... ±25 % std.
Absolute Minimum Resistance
≤ 1 K Ohms ..... 20 ohms max.
>1 K Ohms .....2 % max. of TR
CRV ..... 5 % max.
Resolution ..... Essentially infinite
Adjustment Angle .....220 ° ±20 °

### Environmental Characteristics

Power Rating (50 VDC max.)
70 °C .....0.1 watt
Operating Temperature
..... -40 °C to +125 °C
Storage Temperature
..... -55 °C to +125 °C
Temperature Coefficient ... ±250 ppm/°C
Humidity ..... 95 %RH
TRS max. ..... ±5 %
Load Life
.....@ 70 °C rated power 1000 hours
TRS ±5 %
Rotational Cycling .....20 cycles
TRS ± 15 %

### Physical Characteristics

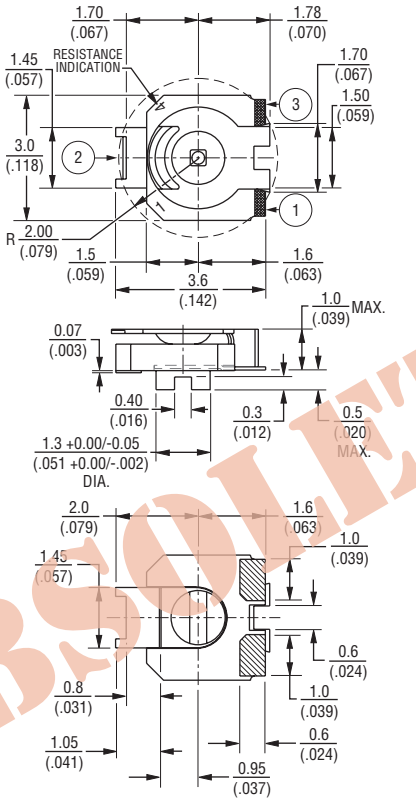
Torque.....10-80 gf-cm
Mechanical Angle .....280 ° ±20 %
Marking..... Part marking code
Standard Packaging.. 2000 pcs./7 " reel
Adjustment Tool.....H-91

### How To Order

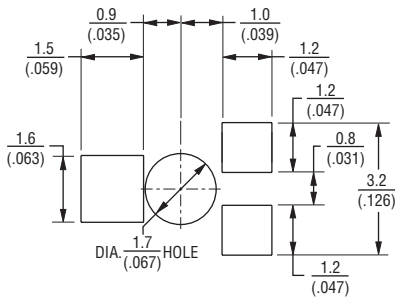
**TC34 R - 1 - 103 E**

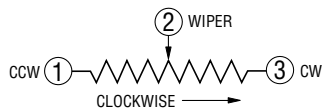
Model
Style
Standard Product Indicator
-1 = Single Slot Bottom Adjust
Resistance Code
Embossed Tape Designator
E = 2000 pcs./7 " Reel

### Product Dimensions




### Recommended Land Pattern

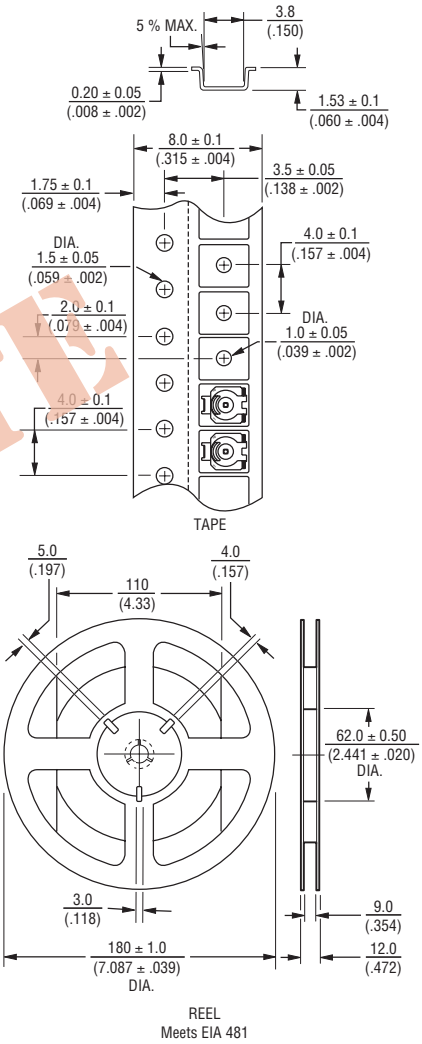



DIMENSIONS: MM / (INCHES)

TOLERANCES: ± 0.3 (.010) EXCEPT WHERE NOTED

### Packaging Specifications




### Standard Resistance Table

| Resistance (Ohms) | Resistance 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 resistance values listed in boldface. Special resistances available.



*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex.
"Trimpot" is a registered trademark of Bourns, Inc.
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.