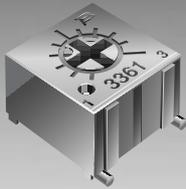


AVAILABLE THROUGH DISTRIBUTION



**BOURNS®**

## Features

- Single-Turn / Cermet / Industrial / Sealed
- Miniature package
- Rotor designed for automatic machine adjust interface
- Withstands harsh environments and immersion cleaning processes
- Compatible with surface mount manufacturing processes

# 3361- 1/4" Square SMD Trimming Potentiometer

## Electrical Characteristics

|                              |  |
|------------------------------|--|
| Standard Resistance Range    | 10 to 2 megohms<br>(see standard resistance table) |
| Resistance Tolerance         | ±10% std.<br>(tighter tolerance available)         |
| Absolute Minimum Resistance  | 1% or 2 ohms<br>(whichever is greater)             |
| Contact Resistance Variation | 1% or 3 ohms max.<br>(whichever is greater)        |
| Adjustability                |  |
| Voltage                      | ±0.05%   |
| Resistance                   | ±0.15%   |
| Resolution                   | Infinite   |
| Insulation Resistance        | 500 vdc.<br>1,000 megohms min.                     |
| Dielectric Strength          |  |
| Sea Level                    | 900 vac  |
| 80,000 Feet                  | 350 vac  |
| Adjustment Angle             | 240° nom.  |

## Environmental Characteristics

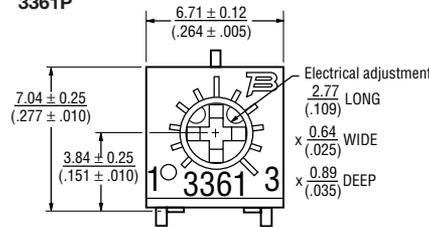
|   |   |
|---|---|
| Maximum Soldering Exposure<br>(Temp/Time)         | +245°C/10 Sec.  |
| Power Rating (300 volts max.)                     |   |
| 70°C  | 0.50 watt   |
| 125°C   | 0 watt  |
| Temperature Range                                 | -55°C to +125°C   |
| Temperature Coefficient                           | ±100ppm/°C  |
| Seal Test   | 85°C Fluorinert*  |
| Humidity  | MIL-STD-202 Method 103<br>96 hours<br>(2% ΔTR; 10 Megohms IR)   |
| Vibration   | 30G (1% ΔTR; 1% ΔVR)  |
| Shock   | 100G (1% ΔTR; 1% ΔVR)   |
| Load Life   |   |
| 1,000 hours 0.5 watt @ 70°C                       |   |
| (3% ΔTR; 3% or 3 ohms, whichever is greater, CRV) |   |
| Rotational Life                                   | 200 cycles<br>(4% ΔTR; 3% or 3 ohms, whichever is greater, CRV) |

## Physical Characteristics

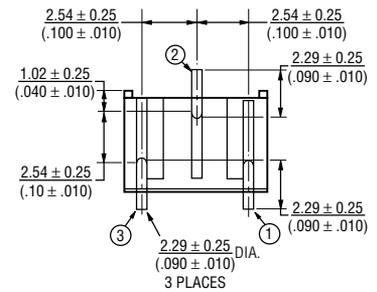
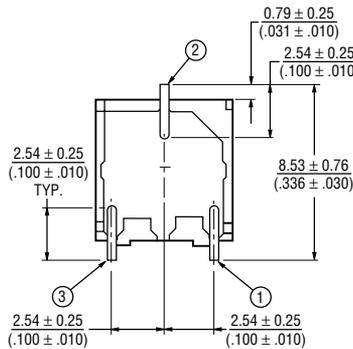
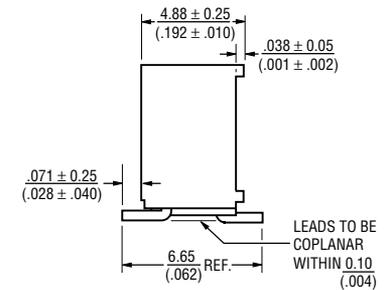
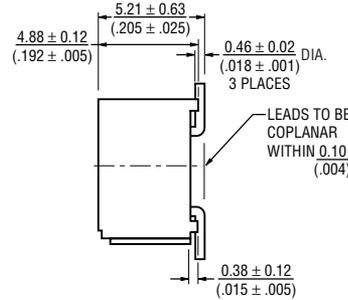
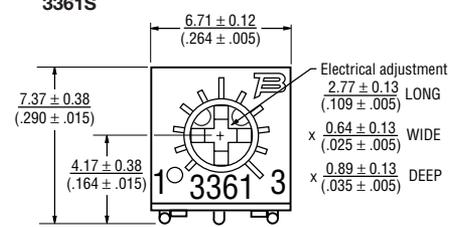
|                  |  |
|------------------|--|
| Mechanical Angle | 270° nom.  |
| Torque           | 3.0 oz-in. max.  |
| Stop Strength    | 7.0 oz-in. min.  |
| Terminals        | Solderable pins  |
| Weight           | 0.02 oz.   |
| Marking          | Resistance code,<br>terminal numbers, manufacturer's<br>model number, style<br>and date code |
| Wiper            | Positioned at 50% nominal  |
| Flammability     | U.L. 94V-0   |
| Standard Packing |  |
| "S" Style        | 500 pcs./13" reel  |
| "P" Style        | 750 pcs./13" reel  |
| Adjustment Tool  | H-90   |

## Product Dimensions

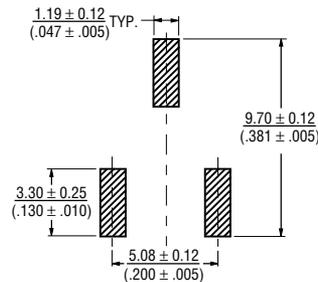
3361P



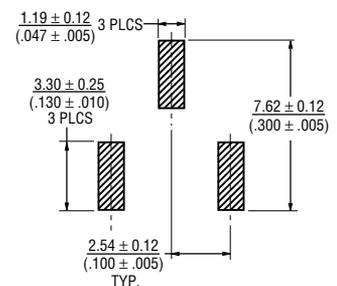
3361S



## Recommended Land Pattern

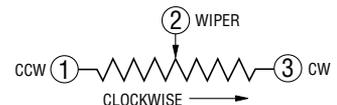


## Recommended Land Pattern



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

DIMENSIONS ARE: METRIC (INCHES)



# 3361 - 1/4" Square SMD Trimming Potentiometer

**BOURNS®**

## How to Order

**3361 P - 1 - 502 G**

Model \_\_\_\_\_  
 Style \_\_\_\_\_  
 Standard or Modified Product Indicator \_\_\_\_\_  
 -1 = Standard Product  
 Resistance Code \_\_\_\_\_  
 Optional Suffix Letter \_\_\_\_\_  
 G = Embossed Tape  
 "S" Style = 500 pcs./13" reel  
 "P" Style = 750 pcs./13" reel

Consult factory for other available options.

## Standard Resistance Table

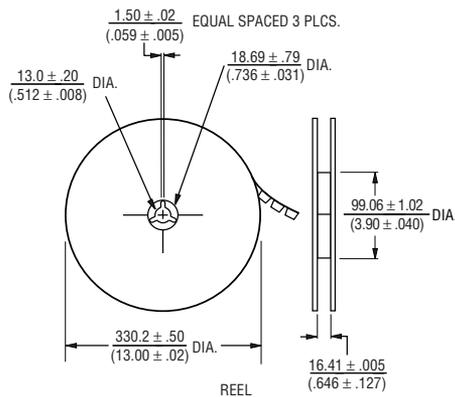
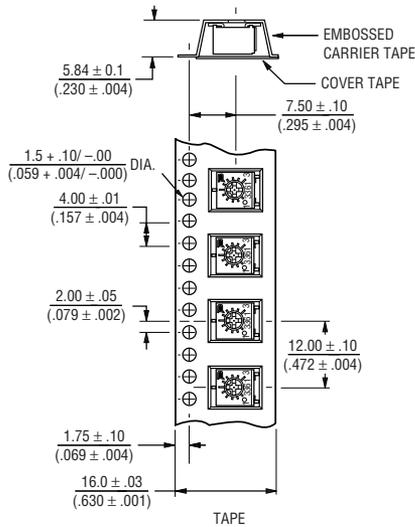
| Resistance (Ohms) | Resistance Code |
|-------------------|-----------------|
| 10                | 100             |
| 20                | 200             |
| 50                | 500             |
| <b>100</b>        | <b>101</b>      |
| <b>200</b>        | <b>201</b>      |
| <b>500</b>        | <b>501</b>      |
| <b>1,000</b>      | <b>102</b>      |
| <b>2,000</b>      | <b>202</b>      |
| <b>5,000</b>      | <b>502</b>      |
| <b>10,000</b>     | <b>103</b>      |
| <b>20,000</b>     | <b>203</b>      |
| <b>25,000</b>     | <b>253</b>      |
| <b>50,000</b>     | <b>503</b>      |
| <b>100,000</b>    | <b>104</b>      |
| 200,000           | 204             |
| 250,000           | 254             |
| 500,000           | 504             |
| 1,000,000         | 105             |
| 2,000,000         | 205             |

Popular values listed in boldface. Special resistances available.

SHADED AREAS TYPICALLY NOT STOCKED BY DISTRIBUTORS AND NOT RECOMMENDED FOR NEW DESIGNS.

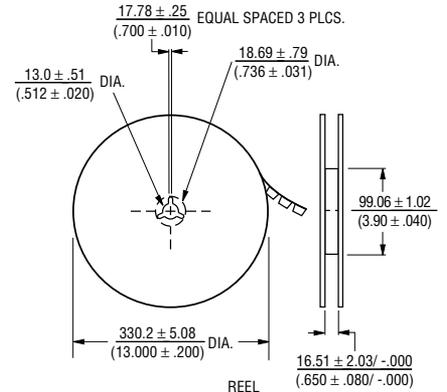
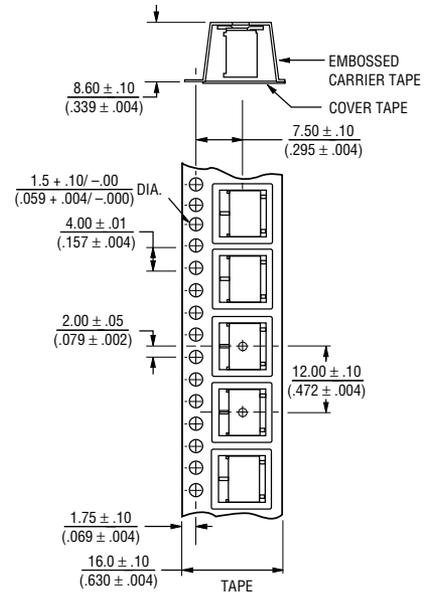
## Packaging Specifications

(P Style)



## Packaging Specifications

(S Style)



UNITS PACKAGED 750 PIECES PER REEL.

UNITS PACKAGED 500 PIECES PER REEL.



**Leading by Design™**

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 FAX +886- (0)2 25624116

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 FAX +41-41 7685510

### North America:

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 FAX +1- (1)909 781-5700

[www.bourns.com](http://www.bourns.com)

Specifications are subject to change without notice.

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