

## Features

- Single-Turn / Cermet / Industrial / Sealed
- Miniature package
- Rotor designed for automatic machine adjust interface
- Withstands harsh environments and immersion cleaning processes
- Tape and reel packaging available

- RoHS compliant\* version available
- For trimmer applications/processing guidelines, [click here](#)

## 3362 -1/4 " Square Trimpot® Trimming Potentiometer

### Electrical Characteristics

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

### Environmental Characteristics

|                               |                              |
|-------------------------------|------------------------------|
| Power Rating (300 volts max.) |                              |
| 70 °C                         | 0.50 watt                    |
| 125 °C                        | 0 watt                       |
| Temperature Range             | -55 °C to +125 °C            |
| Temperature Coefficient       | ±100 ppm/°C                  |
| Seal Test                     | 85 °C Fluorinert†            |
| Humidity                      | MIL-STD-202 Method 103       |
|                               | 96 hours                     |
|                               | (2 % ΔTR; 10 Megohms IR)     |
| Vibration                     | 30 G (1 % ΔTR; 1 % ΔVR)      |
| Shock                         | 100 G (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                   |
|                               | (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,                 |
|                    | terminal numbers, manufacturer's |
|                    | model number, style              |
|                    | and date code                    |
| Wiper              | 50 % (Actual TR) ±10 %           |
| Flammability       | U.L. 94V-0                       |
| Standard Packaging | 50 pcs. per tube                 |
| Adjustment Tool    | H-90                             |



**WARNING Cancer and Reproductive Harm**

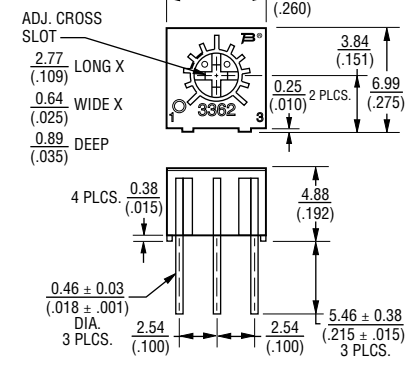
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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](http://www.bourns.com/docs/legal/disclaimer.pdf).

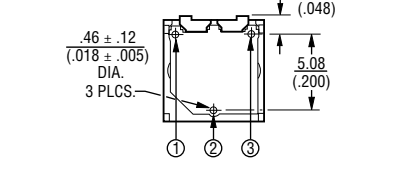
### Product Dimensions

#### Common Dimensions

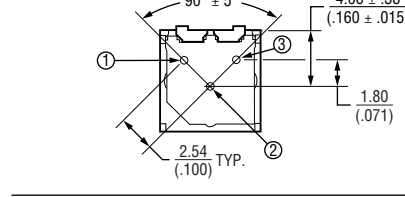
##### Top Adjust



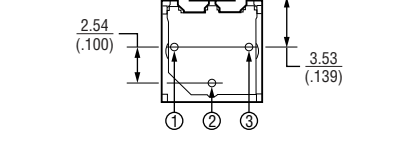
##### 3362F



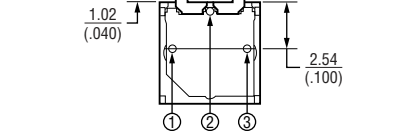
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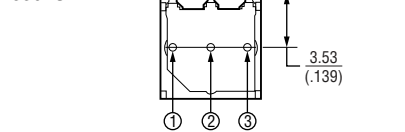
##### 3362P



##### 3362R

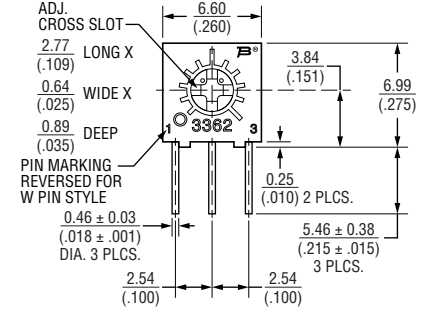


##### 3362U

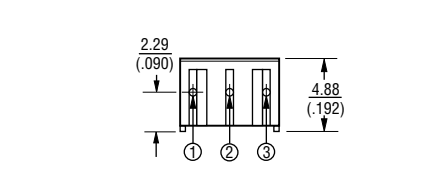


#### Common Dimensions

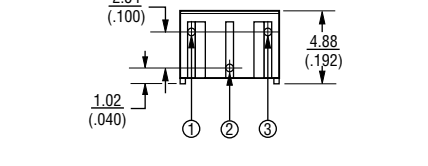
##### Side Adjust



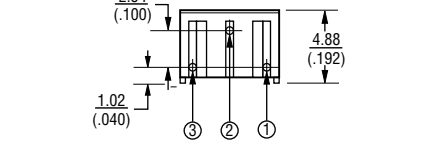
##### 3362M



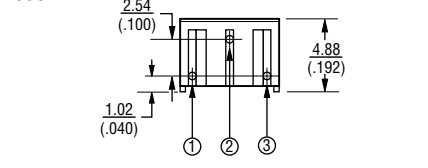
##### 3362S



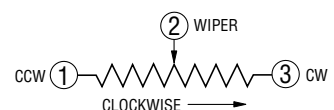
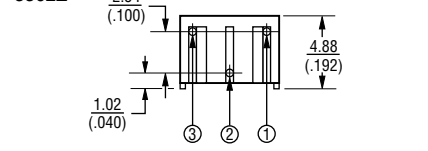
##### 3362W



##### 3362X



##### 3362Z



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

TOLERANCES: ±  $\frac{0.25}{(0.010)}$  EXCEPT WHERE NOTED

\*RoHS Directive 2015/863, Mar. 31, 2015 and Annex  
 †"Fluorinert" is a registered trademark of 3M Co.  
 "Trimpot" is a trademark of Bourns, Inc.

# 3362 – 1/4 " Square Trimpot® Trimming Potentiometer

# BOURNS®

## Product Dimensions

Top adjust models 3362F, H, P, R and U are available with a knob for finger adjustment. Add suffix letter "T" to order code.

("P" Style shown)



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

TOLERANCES:  $\pm \frac{0.25}{(.010)}$  EXCEPT WHERE NOTED

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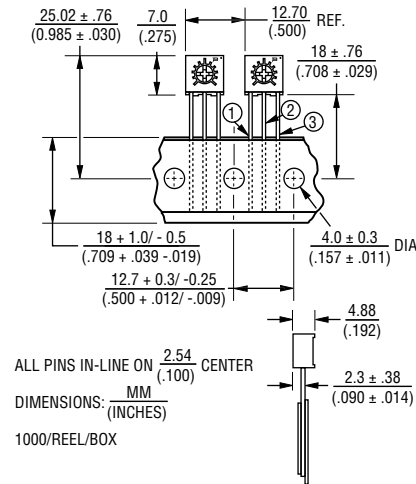
The Americas: Tel: +1-951 781-5500

Email: americus@bourns.com

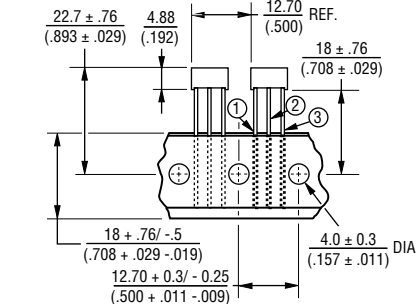
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## Packaging Specifications

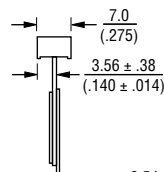
### SIDE ADJUST 3362M-1



### TOP ADJUST 3362U-1, 3362P-1



#### SIDE VIEW 3362U-1



ALL PINS IN-LINE ON  $\frac{2.54}{(.100)}$  CENTER  
DIMENSIONS:  $\frac{\text{MM}}{\text{(INCHES)}}$

Meets EIA Specification 468.

#### SIDE VIEW 3362P-1



750/REEL  
1000/BOX

## How To Order

Model **3362 P - 1 - 502 T** LF

Style \_\_\_\_\_

Standard or Modified Product Indicator \_\_\_\_\_  
-1 = Standard Product

Resistance Code \_\_\_\_\_

Optional Suffix Letter \_\_\_\_\_  
T = Knob\*

Packaging Designator \_\_\_\_\_  
Blank = Tube (Standard)  
R = Tape and Reel (M, U and P Pin Styles Only)  
A = Ammo Pack (M, U and P Pin Styles Only)

Tape and reel material meets Antistatic ANSI/ESD 5541-2003 packaging standards.

### Terminations

LF = 100 % Tin-plated (RoHS compliant)  
Blank = 90 % Tin / 10 % Lead-plated (Standard)

\*Knob option is available only in standard Tube packaging for terminal styles F, H, P, R and U.

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 distribution resistance values listed in boldface. Special resistances available.

REV. 06/20

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Users should verify actual device performance in their specific applications.

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