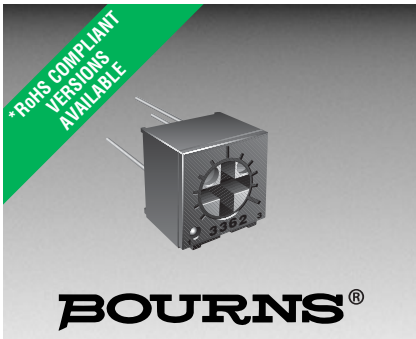




## Features

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

- Available on tape and reel packaging
- RoHS compliant\* version available

## 3362 - 1/4 " Square 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.                                         |

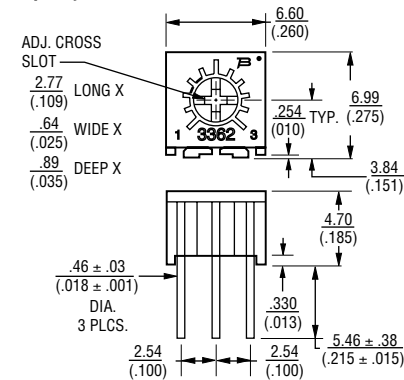
### Environmental Characteristics

|                               |                                                                                        |
|-------------------------------|----------------------------------------------------------------------------------------|
| 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<br>96 hours<br>(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<br>(3 % ΔTR; 3 % or 3 ohms,<br>whichever is greater, CRV) |
| Rotational Life               | 200 cycles<br>(4 % ΔTR; 3 % or 3 ohms,<br>whichever is greater, CRV)                   |

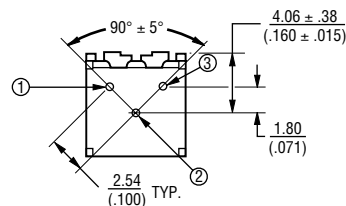
### Physical Characteristics

|                    |                                                                                              |
|--------------------|----------------------------------------------------------------------------------------------|
| 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              | 50 % (Actual TR) ±10 %                                                                       |
| Flammability       | U.L. 94V-0                                                                                   |
| Standard Packaging | 50 pcs. per tube                                                                             |
| Adjustment Tool    | H-90                                                                                         |

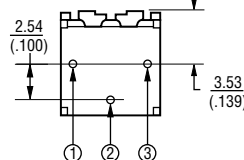
### Common Dimensions Top Adjust



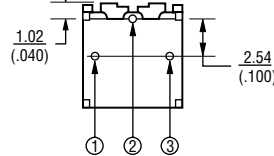
### 3362H



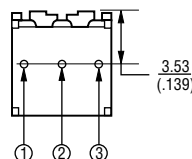
### 3362P



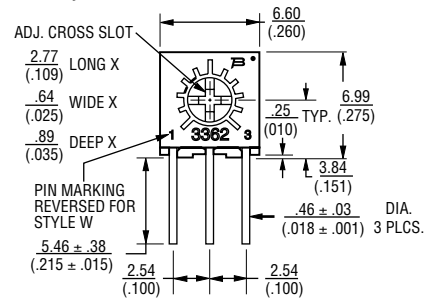
### 3362R



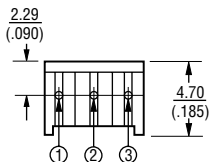
### 3362U



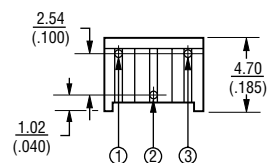
### Common Dimensions Side Adjust



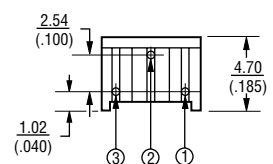
### 3362M



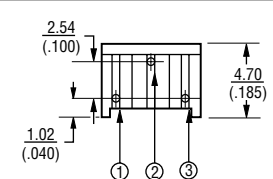
### 3362S



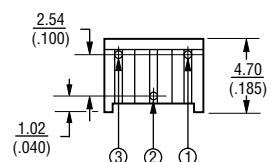
### 3362W



### 3362X

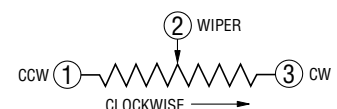


### 3362Z



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

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



\*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.

†"Fluorinert" is a registered trademark of 3M Co.

Specifications are subject to change without notice.

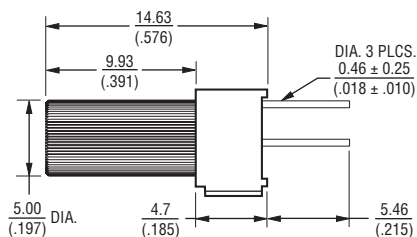
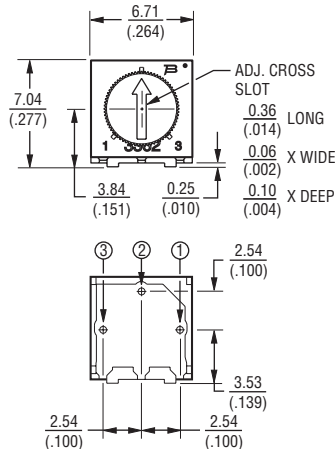
Customers should verify actual device performance in their specific applications.

# 3362 - 1/4 " Square Trimming Potentiometer

**BOURNS®**

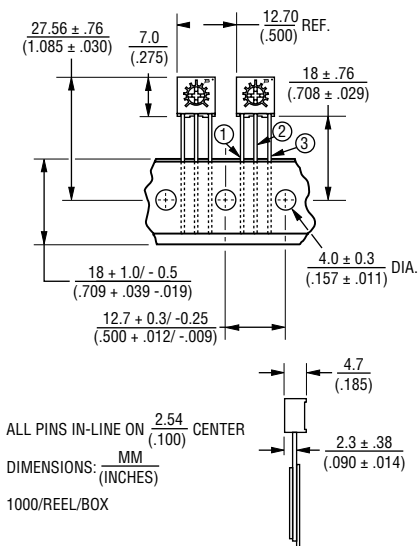
## Product Dimensions

The Model 3362P is available with a knob for finger adjustment. Add suffix letter "T" to order code.

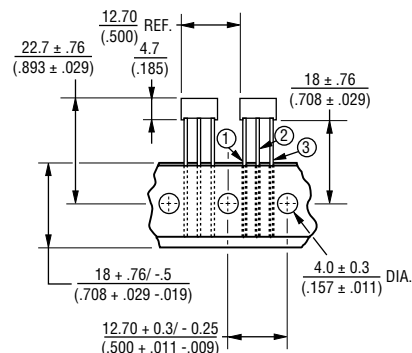


DIMENSIONS: MM/(INCHES)  
TOLERANCES:  $\pm .25/(\pm .010)$  EXCEPT WHERE NOTED

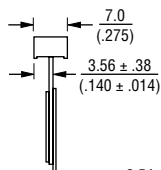
## Packaging Specifications



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



### SIDE VIEW 3362U-1



### SIDE VIEW 3362P-1



ALL PINS IN-LINE ON 2.54 (.100) CENTER  
DIMENSIONS: MM  
(INCHES)  
750/REEL  
1000/BOX

Meets EIA Specification 468.

## How to Order

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

Model \_\_\_\_\_  
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)  
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 style P.

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.