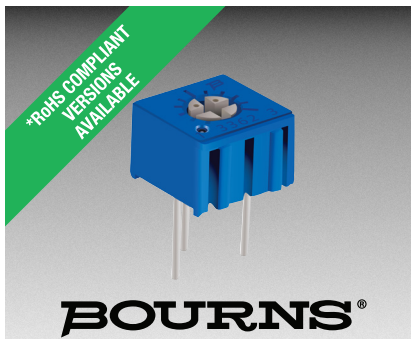




## Features

- 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 Timpot® Trimming Potentiometer

### Additional Information

Click these links for more information:



### Electrical Characteristics

Standard Resistance Range  
..... 10 ohms to 2 megohms  
(see standard resistance table)

Resistance Tolerance .....  $\pm 10\%$  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 .....  $\pm 0.05\%$   
Rheostat .....  $\pm 0.15\%$

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 ....  $\pm 100$  PPM/°C

Seal Test ..... 85 °C  
Humidity ..... MIL-STD-202 Method 103  
96 hours  
(2 %  $\Delta$ TR; 10 Megohms IR)

Vibration ..... 30 G (1 %  $\Delta$ TR; 1 %  $\Delta$ VR)

Shock ..... 100 G (1 %  $\Delta$ TR; 1 %  $\Delta$ VR)

Load Life .. 1,000 hours 0.5 watt @ 70 °C  
(3 %  $\Delta$ TR; 3 % or 3 ohms,  
whichever is greater, CRV)

Rotational Life ..... 200 cycles  
(4 %  $\Delta$ TR; 3 % or 3 ohms,  
whichever is greater, CRV)



**WARNING Cancer and Reproductive Harm**

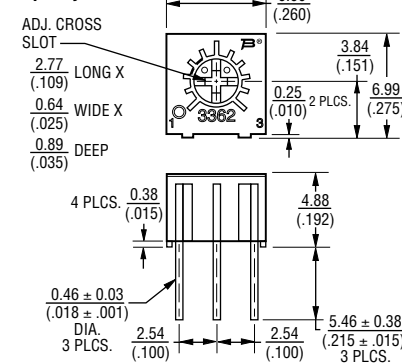
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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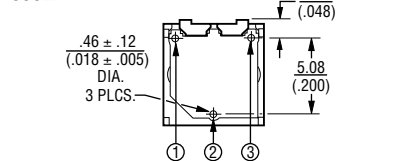
### Product Dimensions

#### Common Dimensions

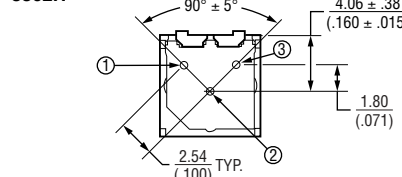
##### Top Adjust



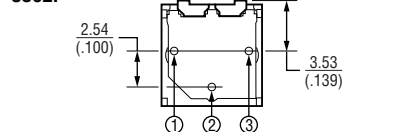
##### 3362F



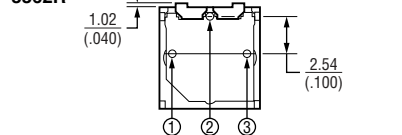
##### 3362H



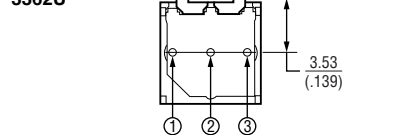
##### 3362P



##### 3362R



##### 3362U



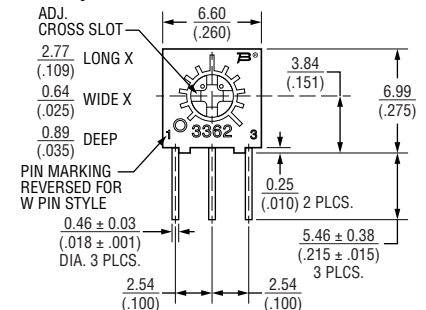
DIMENSIONS:  $\frac{\text{MM}}{\text{(INCHES)}}$

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

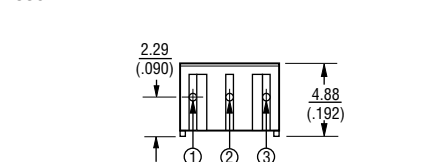
\*RoHS Directive 2015/863, Mar. 31, 2015 and Annex "Timpot" is a trademark of Bourns, Inc.

#### Common Dimensions

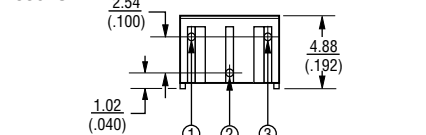
##### Side Adjust



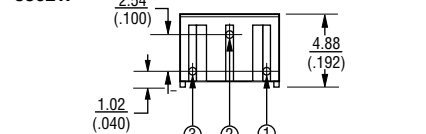
##### 3362M



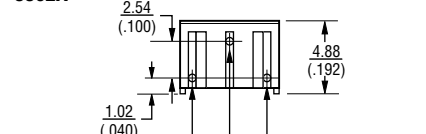
##### 3362S



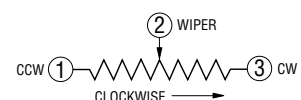
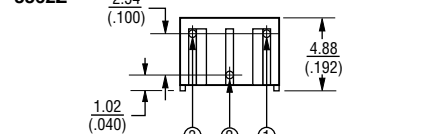
##### 3362W



##### 3362X



##### 3362Z



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

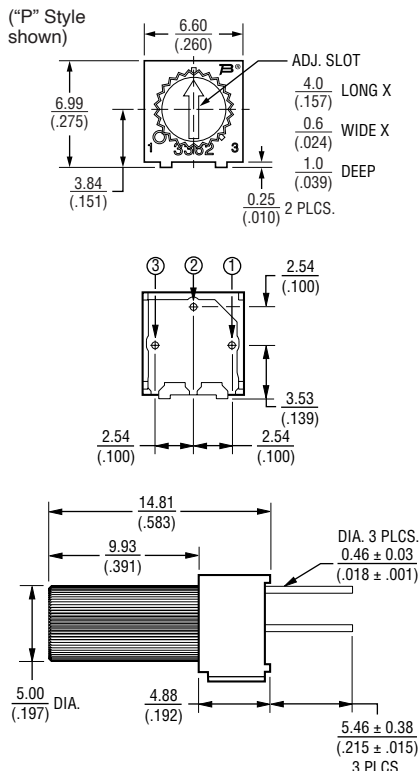
**BOURNS®**

## 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  
Storage Condition  
..... 40 °C max. / 70 % R.H. max.

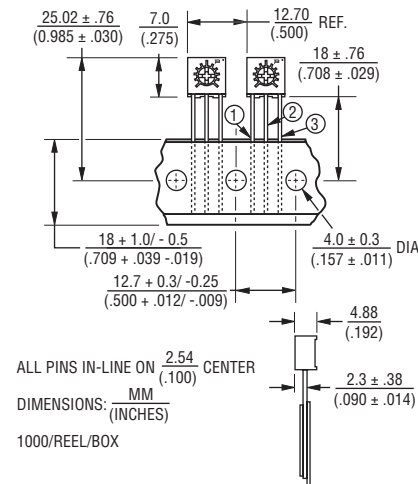
## Product Dimensions

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

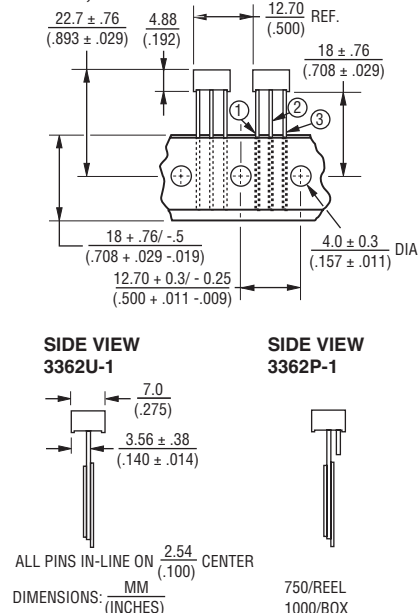


## Packaging Specifications

### SIDE ADJUST 3362M-1



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



Meets EIA Specification 468.

REV. 03/25

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## 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)  
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.

**BOURNS®**

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