



## 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       | 20 ohms to 2 megohms                      |
| (see standard resistance table) |                                           |
| 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) |

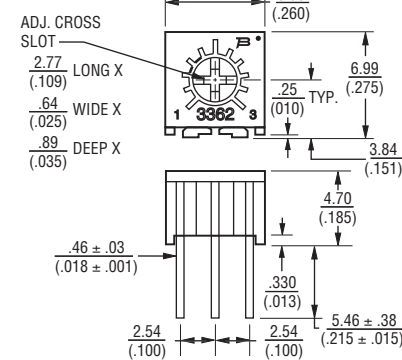
### Physical Characteristics

|                    |                                                                                     |
|--------------------|-------------------------------------------------------------------------------------|
| 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                                                                                |

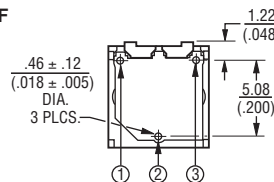
### Product Dimensions

#### Common Dimensions

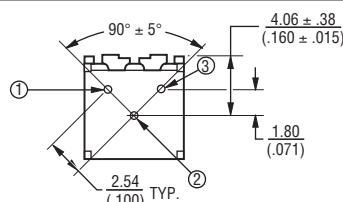
##### Top Adjust



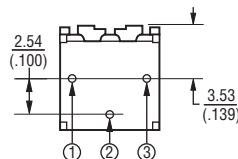
##### 3362F



##### 3362H



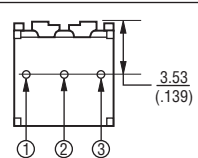
##### 3362P



##### 3362R

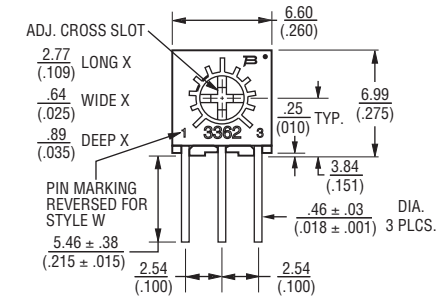


##### 3362U

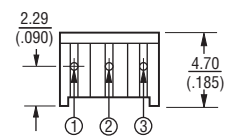


#### Common Dimensions

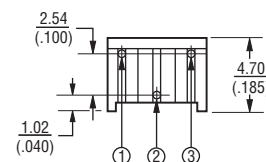
##### Side Adjust



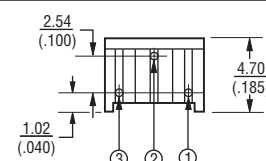
##### 3362M



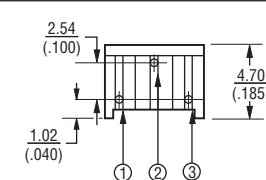
##### 3362S



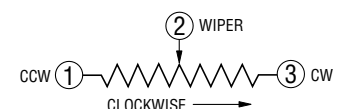
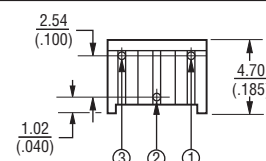
##### 3362W



##### 3362X



##### 3362Z



\*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

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

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

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

# 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)

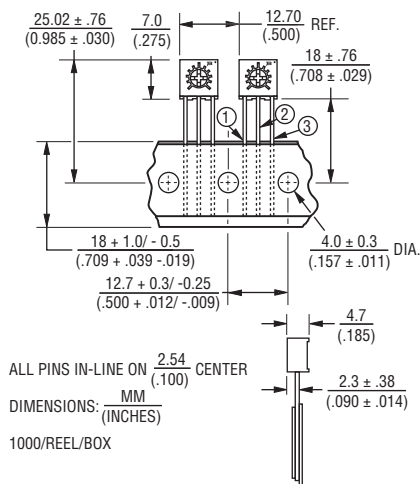


DIMENSIONS:  $\frac{\text{MM}}{(\text{INCHES})}$

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

## Packaging Specifications

### SIDE ADJUST 3362M-1

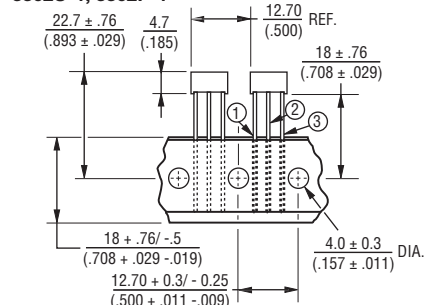


ALL PINS IN-LINE ON  $\frac{2.54}{(.100)}$  CENTER

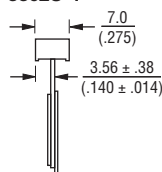
DIMENSIONS:  $\frac{\text{MM}}{(\text{INCHES})}$

1000/REEL/BOX

### 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

**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 styles F, H, P, R and U.

Consult factory for other available options.

## Standard Resistance Table

| Resistance (Ohms) | Resistance Code |
|-------------------|-----------------|
| 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. 04/14

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