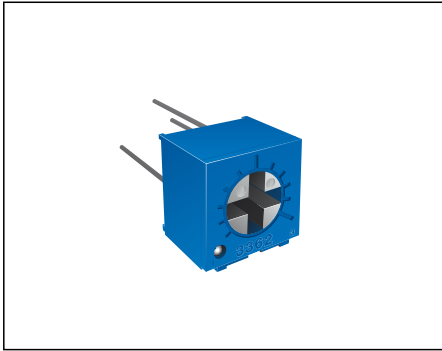




## Features

- Single-Turn / Cermet / Industrial / Sealed ■ RoHS compliant\* version available
- Miniature package
- Rotor designed for automatic machine adjust interface
- Withstands harsh environments and immersion cleaning processes
- Tape and reel packaging available
- For trimmer applications/processing guidelines [click here](#)

## 3362 - 1/4 'Square Trimpot<sup>®</sup> 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                   | .....±0.1 %                                             |
| Resolution                   | .....Inf nite                                           |
| 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

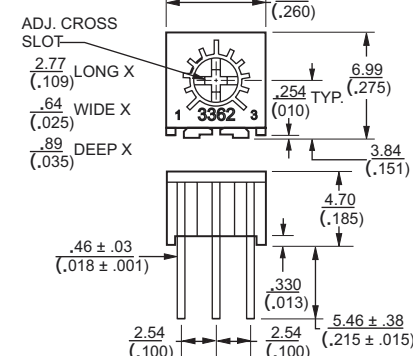
|                               |                                                        |
|-------------------------------|--------------------------------------------------------|
| Power Rating (300 volts max.) |                                                        |
| 70                            | .....0.50 watt                                         |
| 125                           | .....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                |
|                               | (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,<br>whichever is greater, CRV) |
| Rotational Life               | .....200 cycles                                        |
|                               | (4 % ΔTR; 3 % or 3 ohms,<br>whichever is greater, CRV) |

### Physical Characteristics

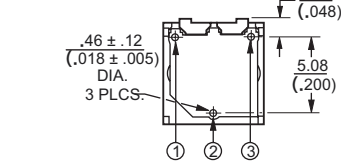
|                    |                                                                                                  |
|--------------------|--------------------------------------------------------------------------------------------------|
| Mechanical Angle   | .....270 ° nom.                                                                                  |
| 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, manufacturers<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                                                                                        |

### Product Dimensions

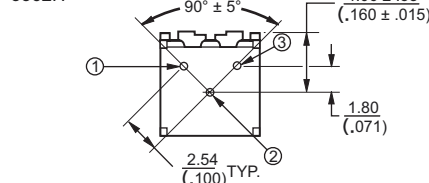
Common Dimensions  
Top Adjust



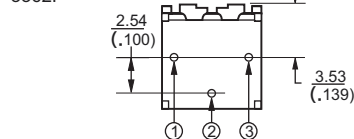
3362F



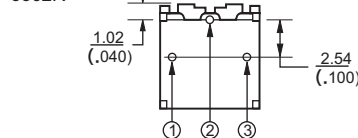
3362H



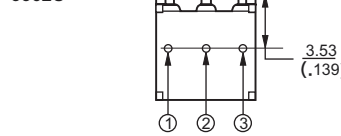
3362P



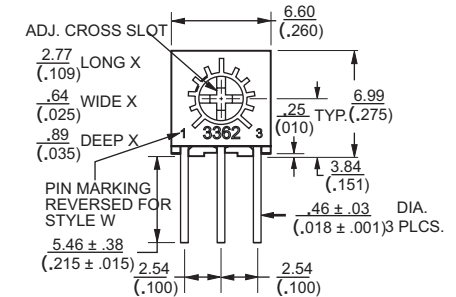
3362R



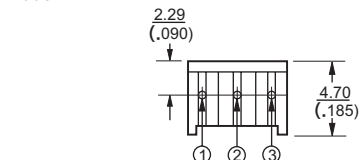
3362U



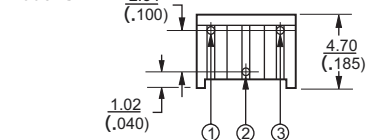
Common Dimensions  
Side Adjust



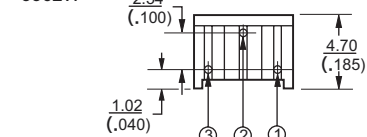
3362M



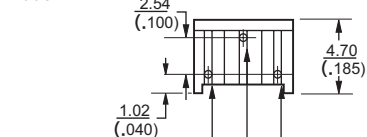
3362S



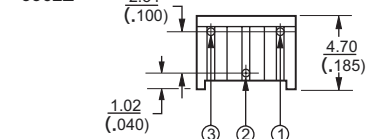
3362W



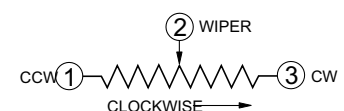
3362X



3362Z



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

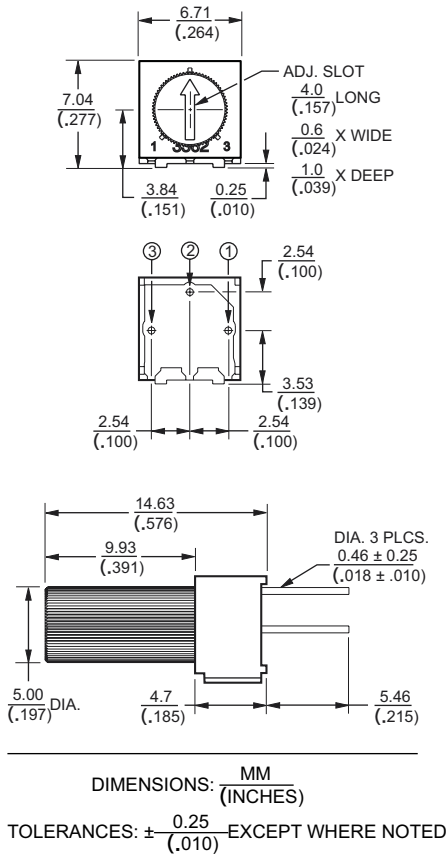


Specifications are subject to change without notice.  
Customers should verify actual device performance in their specific applications.

## 3362 - 1/4 'Square Trimpot<sup>®</sup> Trimming Potentiometer

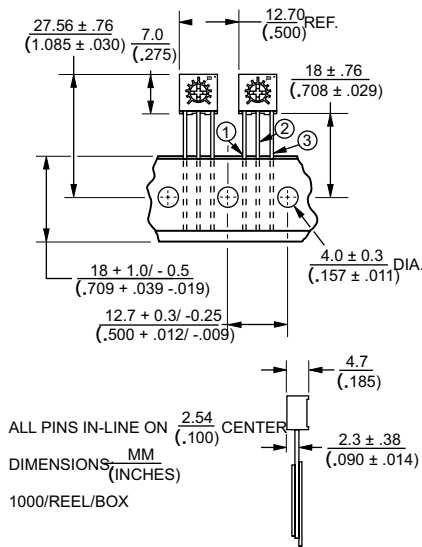
### Product Dimensions

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

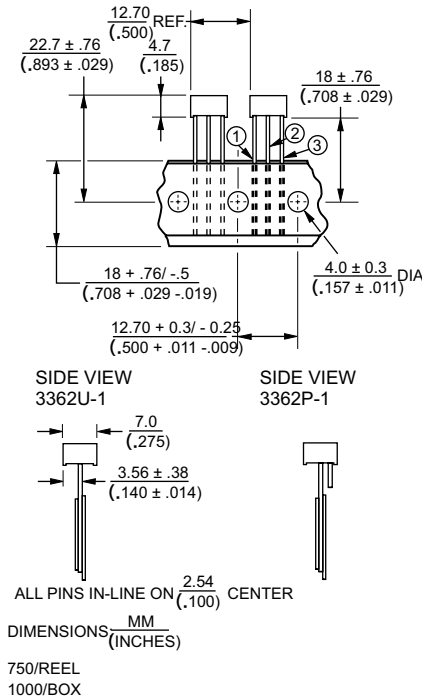


### Packaging Specifications

SIDE ADJUST  
3362M-1



TOP ADJUST  
3362U-1, 3362P-1



Meets EIA Specification 468.

### 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 |
|-------------------|-----------------|
| 10                | 100             |
| 20                | 200             |
| 50                | 500             |
| 100               | 101             |
| 200               | 201             |
| 500               | 501             |
| 1,000             | 102             |
| 2,000             | 202             |
| 5,000             | 502             |
| 10,000            | 103             |
| 20,000            | 203             |
| 25,000            | 253             |
| 50,000            | 503             |
| 100,000           | 104             |
| 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. 08/26/10

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