



**THE DATASHEET OF**  
**3362U-1-503LF**





## 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

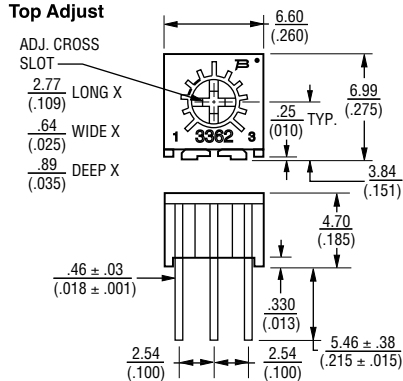
\*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.  
†"Fluorinert" is a registered trademark of 3M Co.



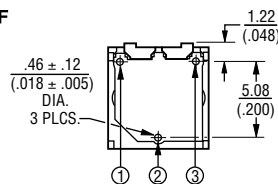
**WARNING**  
**Cancer and Reproductive Harm**  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

### Product Dimensions

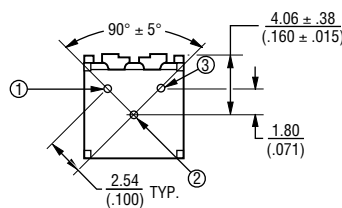
#### Common Dimensions



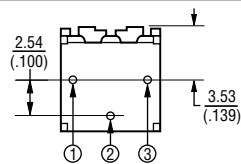
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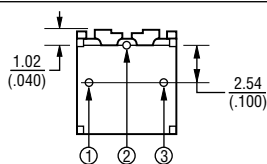
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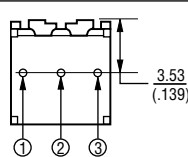
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#### 3362R



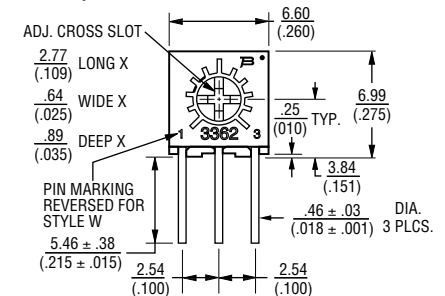
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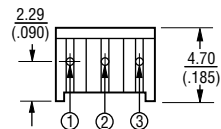
DIMENSIONS:  $\frac{\text{MM}}{\text{(INCHES)}}$

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

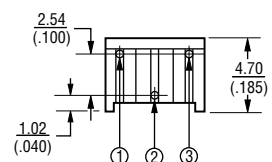
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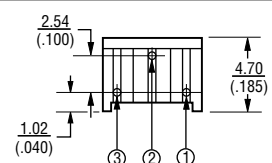
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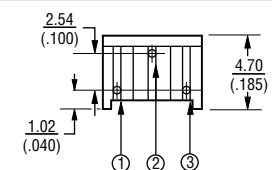
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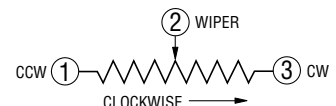
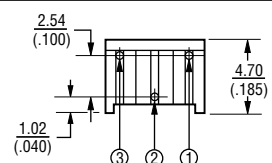
#### 3362W



#### 3362X



#### 3362Z



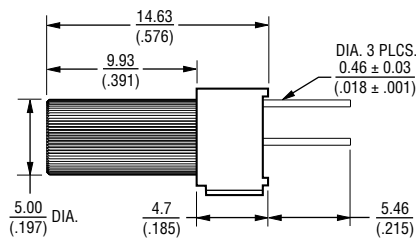
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# 3362 - 1/4 " Square Trimpot® Trimming Potentiometer **BOURNS®**

## 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

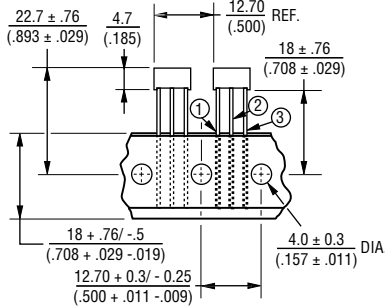


ALL PINS IN-LINE ON  $\frac{2.54}{(.100)}$  CENTER

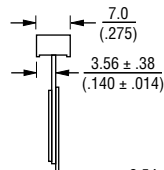
DIMENSIONS:  $\frac{\text{MM}}{\text{(INCHES)}}$

1000/REEL/BOX

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



#### SIDE VIEW 3362U-1



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

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

#### SIDE VIEW 3362P-1



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)  
 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. 09/16

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Users should verify actual device performance in their specific applications.

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