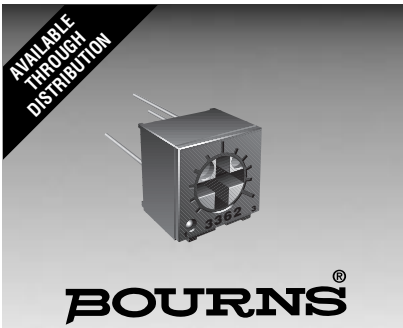


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## Features

- 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 (see page 71)

## Jameco Part Number 182810

# 3362 - 1/4" Square Trimming Potentiometer

### Electrical Characteristics

Standard Resistance Range ..... 10 to 2 megohms  
 (see standard resistance table)  
 Resistance Tolerance .....  $\pm 10\%$  std.  
 (tighter tolerance available)  
 Absolute Minimum Resistance ..... 1% or 2 ohms  
 (whichever is greater)  
 Contact Resistance Variation ..... 1% or 3 ohms max.  
 (whichever is greater)  
 Adjustability  
 Voltage .....  $\pm 0.05\%$   
 Resistance .....  $\pm 0.15\%$   
 Resolution ..... Infinite  
 Insulation Resistance ..... 500 vdc.  
 1,000 megohms min.

### Dielectric Strength

Sea Level ..... 900 vac  
 80,000 Feet ..... 350 vac  
 Adjustment Angle .....  $240^\circ$  nom.

### Environmental Characteristics

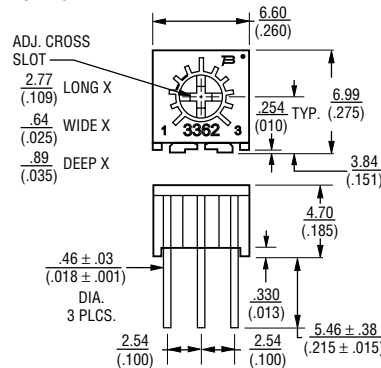
Power Rating (300 volts max.)  
 70°C ..... 0.50 watt  
 125°C ..... 0 watt  
 Temperature Range .....  $-55^\circ\text{C}$  to  $+125^\circ\text{C}$   
 Temperature Coefficient .....  $\pm 100\text{ppm}/^\circ\text{C}$   
 Seal Test ..... 85°C Fluorinert\*  
 Humidity ..... MIL-STD-202 Method 103  
 96 hours  
 (2%  $\Delta\text{TR}$ ; 10 Megohms IR)  
 Vibration ..... 30G (1%  $\Delta\text{TR}$ ; 1%  $\Delta\text{VR}$ )  
 Shock ..... 100G (1%  $\Delta\text{TR}$ ; 1%  $\Delta\text{VR}$ )  
 Load Life ..... 1,000 hours 0.5 watt @ 70°C  
 (3%  $\Delta\text{TR}$ ; 3% or 3 ohms, whichever is greater, CRV)  
 Rotational Life ..... 200 cycles  
 (4%  $\Delta\text{TR}$ ; 3% or 3 ohms, whichever is greater, CRV)

### Physical Characteristics

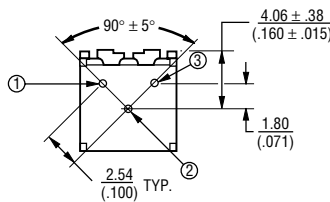
Mechanical Angle .....  $270^\circ$  nom.  
 Torque ..... 3.0 oz-in. max.  
 Stop Strength ..... 7.0 oz-in. min.  
 Terminals ..... Solderable pins  
 Weight ..... 0.02 oz.  
 Marking ..... Resistance code, terminal numbers, manufacturer's model number, style and date code  
 Wiper ..... Positioned at 50% nominal  
 Flammability ..... U.L. 94V-0  
 Standard Packaging ..... 50 pcs. per tube  
 Adjustment Tool ..... H-90

\*FLUORINERT™ IS A REGISTERED TRADEMARK OF 3M CO.

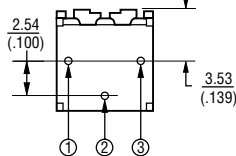
### Common Dimensions Top Adjust



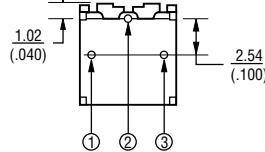
### 3362H



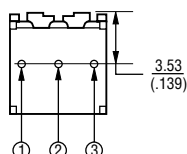
### 3362P



### 3362R



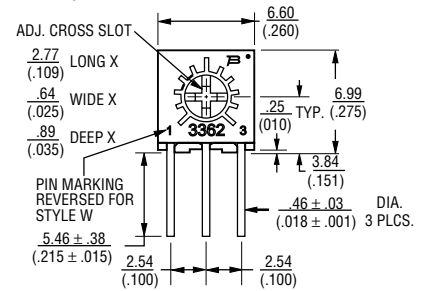
### 3362U



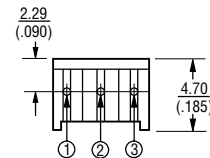
TOLERANCES:  $\pm 0.25$  (.010) EXCEPT WHERE NOTED

DIMENSIONS ARE: METRIC (INCHES)

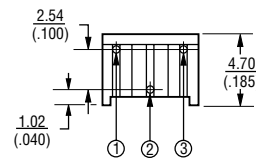
### Common Dimensions Side Adjust



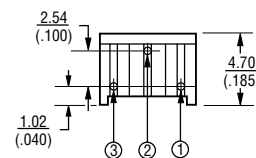
### 3362M



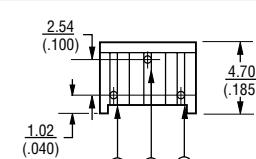
### 3362S



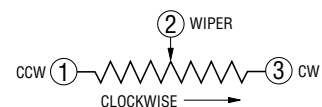
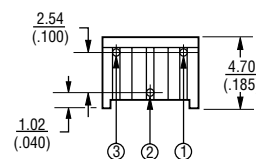
### 3362W



### 3362X



### 3362Z

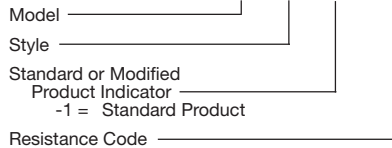


# 3362 - 1/4" Square Trimming Potentiometer

**BOURNS®**

## How to Order

**3362 P - 1 - 502**



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 values listed in boldface. Special resistances available.

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