



## 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 to 2 megohms                 |
|                              | (see standard resistance table) |
| Resistance Tolerance         | ±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                      | ±0.05 %                         |
| Resistance                   | ±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

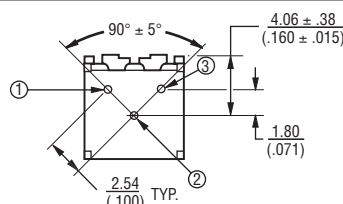
##### Top Adjust



##### 3362F



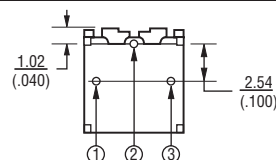
##### 3362H



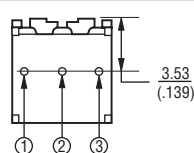
##### 3362P



##### 3362R

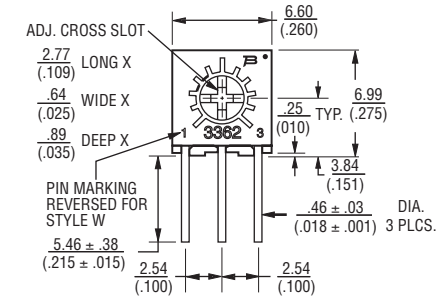


##### 3362U

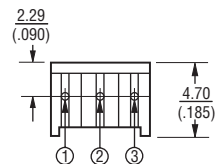


#### Common Dimensions

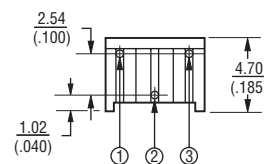
##### Side Adjust



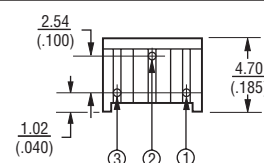
##### 3362M



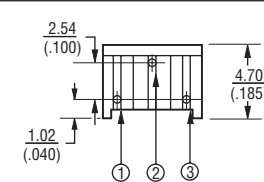
##### 3362S



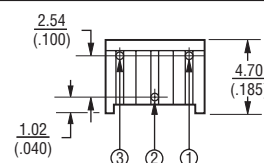
##### 3362W



##### 3362X



##### 3362Z



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

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



\*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.

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

Specifications are subject to change without notice.

Customers should verify actual device performance in their specific applications.

# 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.



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

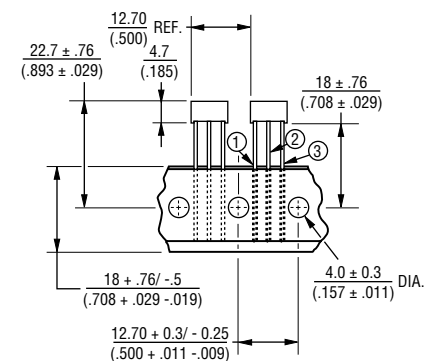
TOLERANCES:  $\pm \frac{0.25}{(0.010)}$  EXCEPT WHERE NOTED

## Packaging Specifications

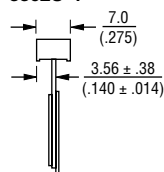
### SIDE ADJUST 3362M-1



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



### SIDE VIEW 3362U-1



### SIDE VIEW 3362P-1



ALL PINS IN-LINE ON  $\frac{2.54}{(0.100)}$  CENTER

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

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)

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. 08/26/10

"Trimpot" is a registered trademark of Bourns, Inc.  
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Customers should verify actual device performance in their specific applications.

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9