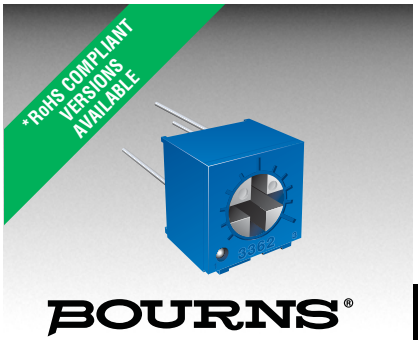



BOURNS®

## 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

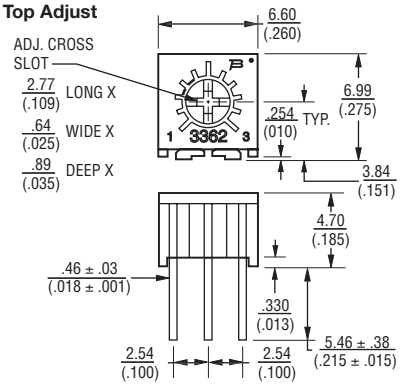
Power Rating (300 volts max.)
70 °C ..... 0.50 watt
125 °C ..... 0 watt
Temperature Range ... -55 °C to +125 °C
Temperature Coefficient ... ±100 ppm/°C
Seal Test .....85 °C Fluorinert†
Humidity .....MIL-STD-202 Method 103
96 hours
(2 % ΔTR; 10 Megohms IR)
Vibration ..... 30 G (1 % ΔTR; 1 % ΔVR)
Shock ..... 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

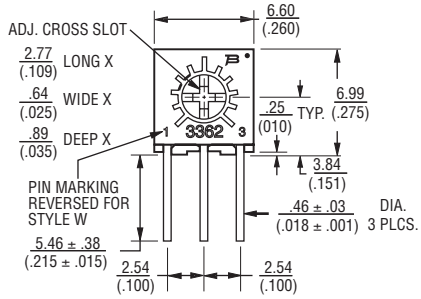
Mechanical Angle ..... 270 ° nom.
Torque..... 3.0 oz-in. max.
Stop Strength ..... 7.0 oz -in. min.
Terminals ..... Solderable pins
Weight ..... 0.02 oz.
Marking..... Resistance code,
terminal numbers, manufacturer’s
model number, style
and date code
Wiper ..... 50 % (Actual TR) ±10 %
Flammability ..... U.L. 94V-0
Standard Packaging.....50 pcs. per tube
Adjustment Tool..... H-90

## Product Dimensions

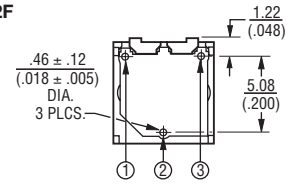
**Common Dimensions**
**Top Adjust**



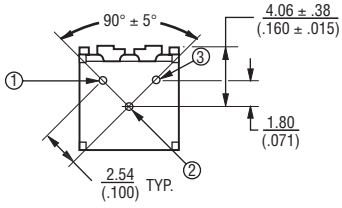

**Common Dimensions**
**Side Adjust**



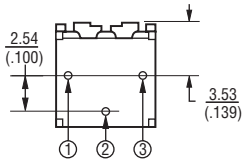

**3362F**



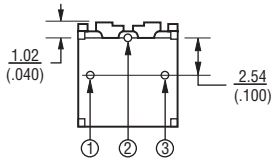

**3362H**




**3362P**




**3362R**

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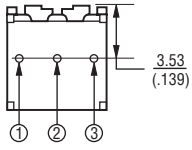
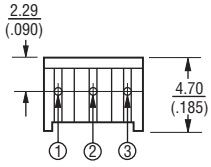
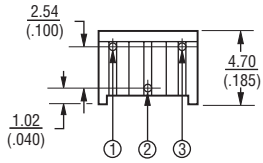



**3362M**




**3362S**

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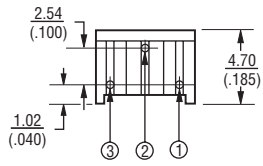
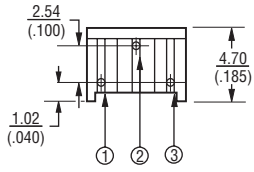
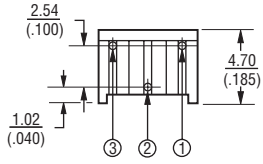



**3362X**

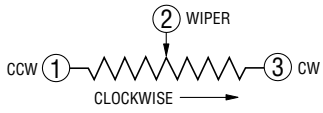



**3362Z**




DIMENSIONS: MM (INCHES)

TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

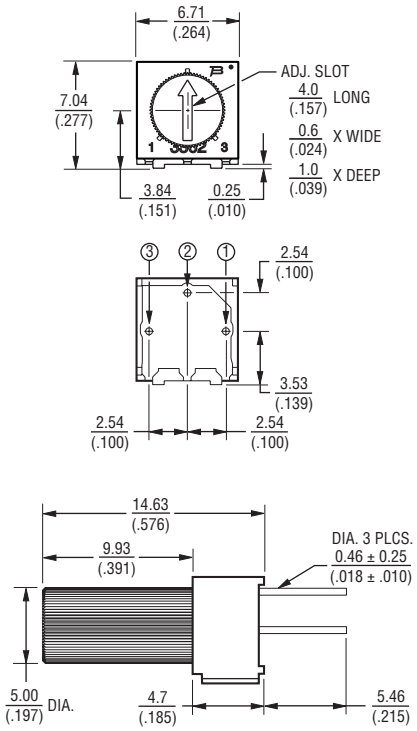



*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.
†“Fluorinert” is a registered trademark of 3M Co.
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.

# 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.

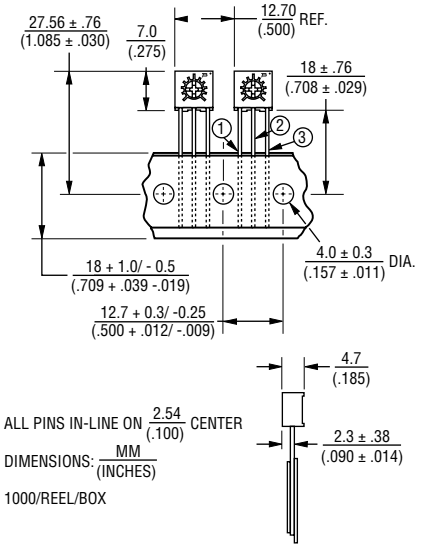



DIMENSIONS: MM (INCHES)

TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

## Packaging Specifications

**SIDE ADJUST**
**3362M-1**

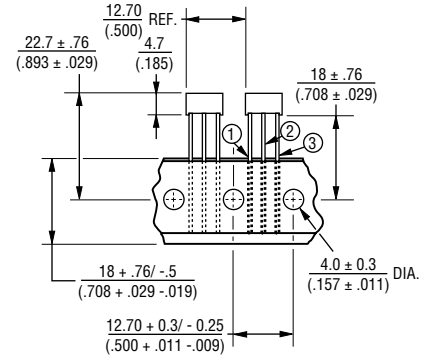



ALL PINS IN-LINE ON 2.54 (.100) CENTER

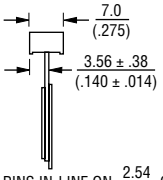
DIMENSIONS: MM (INCHES)

1000/REEL/BOX

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




**SIDE VIEW**
**3362U-1**




**SIDE VIEW**
**3362P-1**

ALL PINS IN-LINE ON 2.54 (.100) CENTER

DIMENSIONS: MM (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 |
| **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


“Trimpot” is a registered trademark of Bourns, Inc.
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.

ООО «ЛайфЭлектроникс» “LifeElectronics” LLC

ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703

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- *Тестирование поставляемой продукции.*
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- *Защиту от снятия компонента с производства.*
- *Оценку стоимости проекта по компонентам.*
- *Изготовление тестовой платы монтаж и пусконаладочные работы.*

*Тел: +7 (812) 336 43 04 (многоканальный)*
*Email: org@lifeelectronics.ru*

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