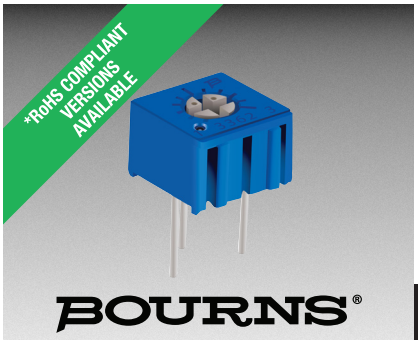
THE DATASHEET OF

3362X-1-501LF



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

Additional Information

Click these links for more information:

PRODUCT SELECTOR | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

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

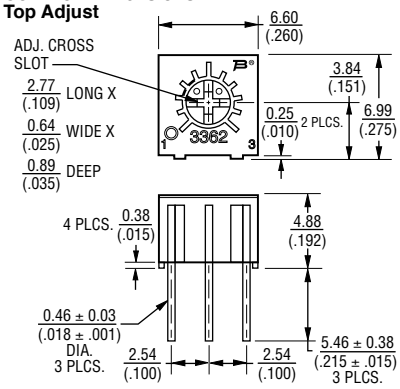
Power Rating (300 volts max.)
70 °C ..... 0.50 watt
125 °C ..... 0 watt
Temperature Range.... -55 °C to +125 °C
Temperature Coefficient .....±100 ppm/°C
Seal Test.....85 °C Fluorinert†
Humidity..... MIL-STD-202 Method 103
96 hours
(2 % ΔTR; 10 Megohms IR)
Vibration ..... 30 G (1 % ΔTR; 1 % ΔVR)
Shock.....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

WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

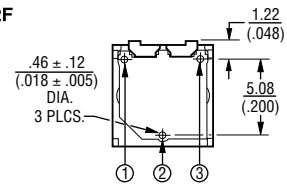
Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

Product Dimensions

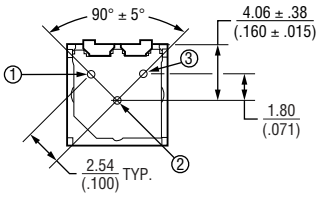
Common Dimensions
Top Adjust



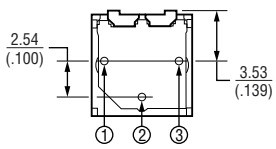
3362F



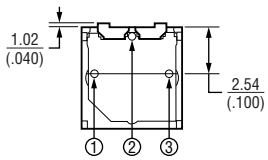
3362H



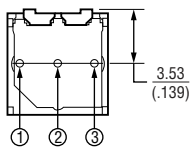
3362P



3362R



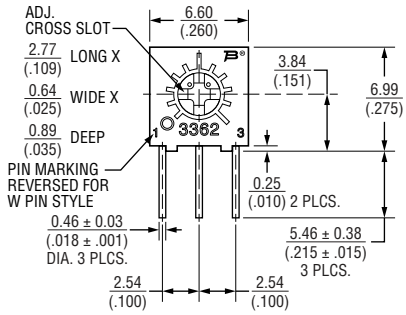
3362U



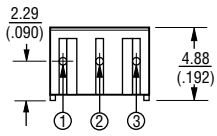
DIMENSIONS: MM / (INCHES)
TOLERANCES: ± 0.25 / (.010) EXCEPT WHERE NOTED

*RoHS Directive 2015/863, Mar. 31, 2015 and Annex
†"Fluorinert" is a registered trademark of 3M Co.
"Trimpot" is a trademark of Bourns, Inc.

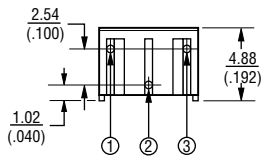
Common Dimensions
Side Adjust



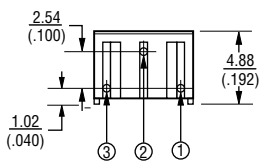
3362M



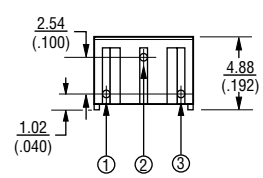
3362S



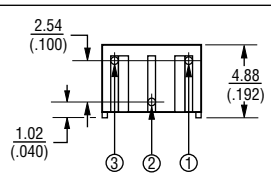
3362W

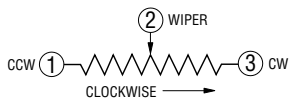


3362X



3362Z





3362 – 1/4 ″ Square Trimpot® Trimming Potentiometer

BOURNS®

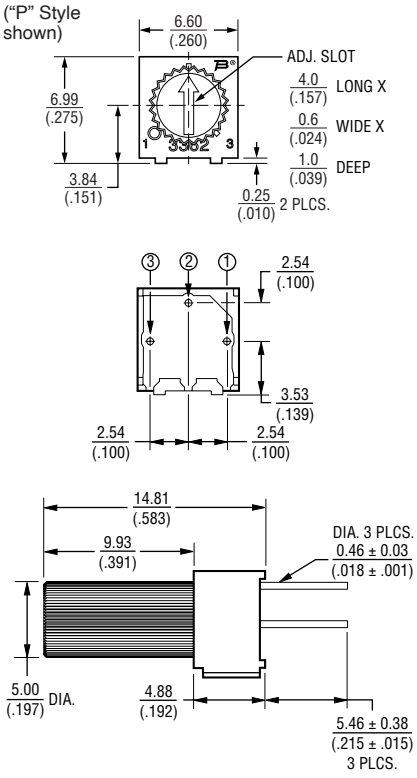
Physical Characteristics

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
Storage Condition
..... 40 °C max. / 70 % R.H. max.

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)

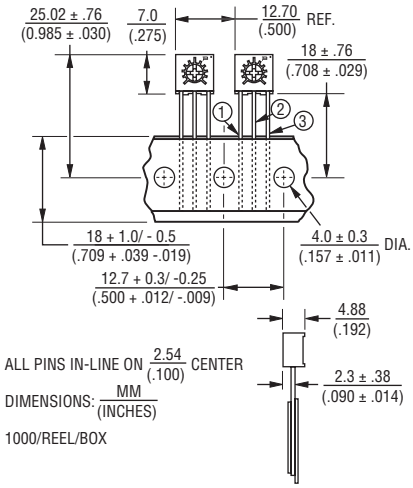


DIMENSIONS: MM (INCHES)

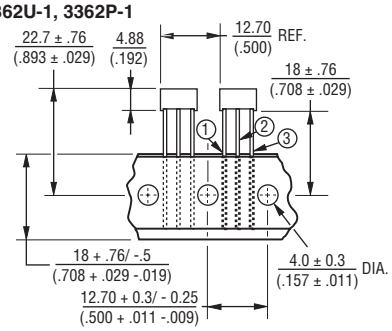
TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

Packaging Specifications

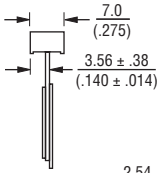
SIDE ADJUST
3362M-1



TOP ADJUST
3362U-1, 3362P-1



SIDE VIEW
3362U-1



SIDE VIEW
3362P-1

ALL PINS IN-LINE ON 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)

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
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. 07/23

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- Cost Control Management
- Shortage Management
- Alternative Solution
- Excess Inventory Management