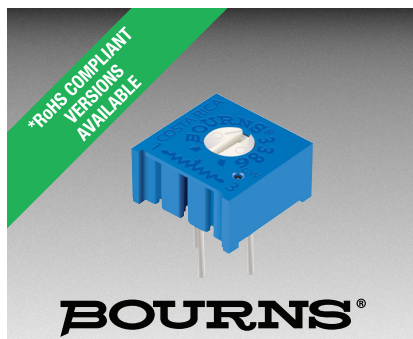




## Features

- Single Turn / Cermet / Industrial / Sealed
- Available on tape and reel
- Available with a knob for finger adjust
- Available with extended shaft
- Available with cross-slot rotor
- Top and side adjust types (F, P, H, W, X most popular)

- RoHS compliant\* version available
- For trimmer applications/processing guidelines, [click here](#)

## 3386 – 3/8 " Square Trimpot® Trimming Potentiometer

### Additional Information

Click these links for more information:



### Electrical Characteristics

Standard Resistance Range ..... 10 ohms to 2 megohms  
(see standard resistance table)  
Resistance Tolerance .....  $\pm 10\%$  std.  
(tighter tolerance available)  
Absolute Minimum Resistance ..... 2 ohms max.  
Contact Resistance Variation ..... 2 % or 3 ohms max.  
(whichever is greater)  
Adjustability  
Voltage Divider .....  $\pm 0.05\%$   
Rheostat .....  $\pm 0.15\%$   
Resolution ..... Infinite  
Insulation Resistance ..... 500 VDC  
1,000 megohms min.  
Dielectric Strength  
Sea Level ..... 900 VAC  
70,000 Feet ..... 350 VAC  
Adjustment Angle .....  $280^\circ$  nom.

### Environmental Characteristics

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

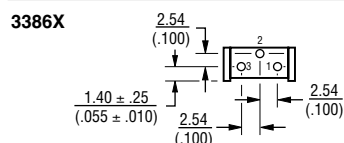
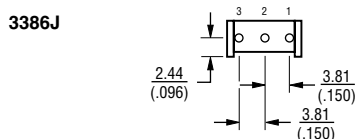
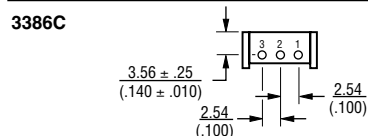
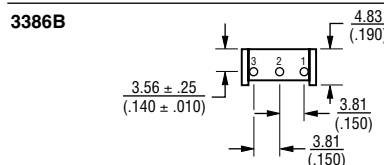
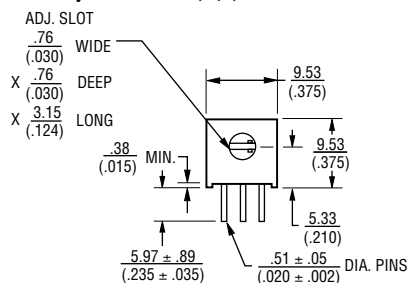


**WARNING Cancer and Reproductive Harm**  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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### Product Dimensions

#### Common Dimensions Side Adjust Models B,C,J,X

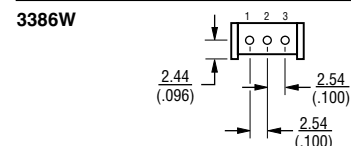
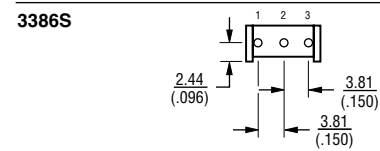
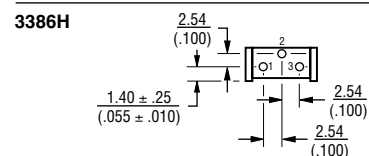
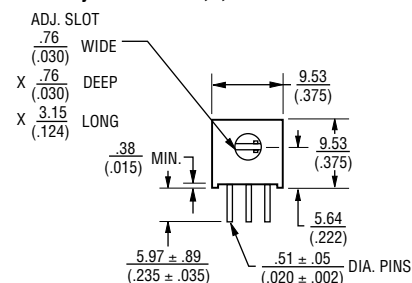


### Standard Resistance Table

| 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.

#### Common Dimensions Side Adjust Models H,S,W



### Physical Characteristics

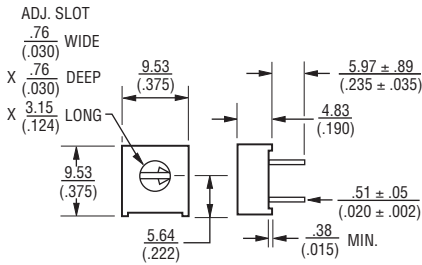
Mechanical Angle .....  $310^\circ$  nom.  
Torque ..... 5.0 oz-in. max.  
Stop Strength ..... 15.0 oz-in. min.  
Terminals ..... Solderable pins  
Weight ..... 0.03 oz.  
Marking ..... Manufacturer's trademark, resistance code, wiring diagram, date code, manufacturer's model number and style  
Flammability ..... U.L. 94V-0  
Standard Packaging ..... 50 pcs. per tube  
Wiper ..... 50 % (Actual TR)  $\pm 10\%$   
Adjustment Tool ..... H-90

# 3386 – 3/8" Square Trimpot® Trimming Potentiometer

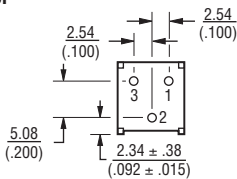
**BOURNS®**

## Product Dimensions

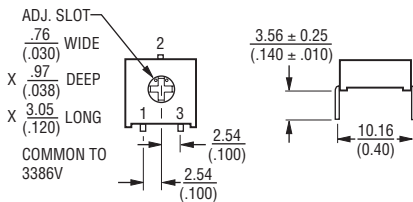
### Common Dimensions Top Adjust Models F,G,K,P,R,U,V,Y



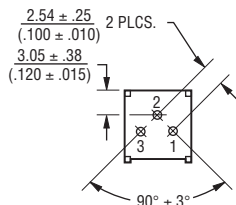
#### 3386F



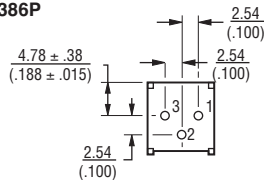
#### 3386G



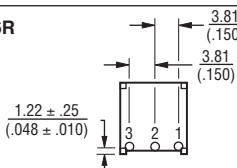
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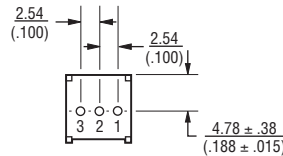
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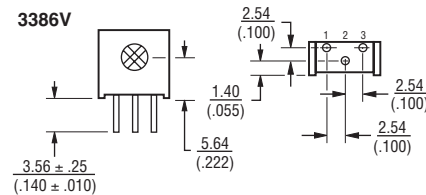
#### 3386R



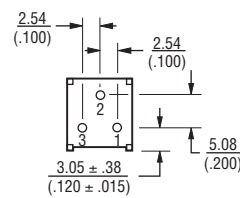
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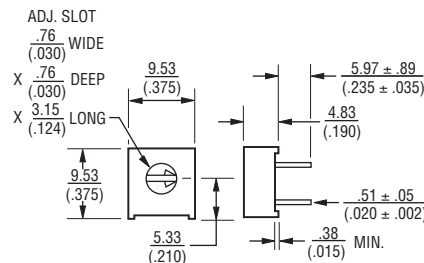
#### 3386V



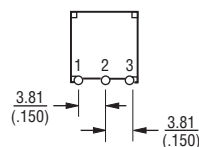
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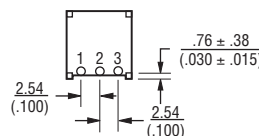
### Common Dimensions Top Adjust Models M,T



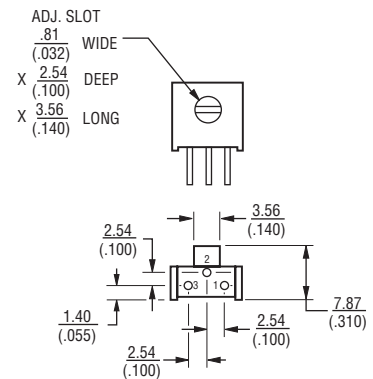
#### 3386M



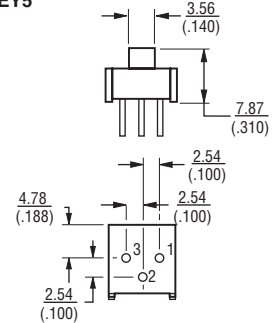
#### 3386T



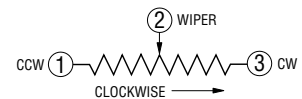
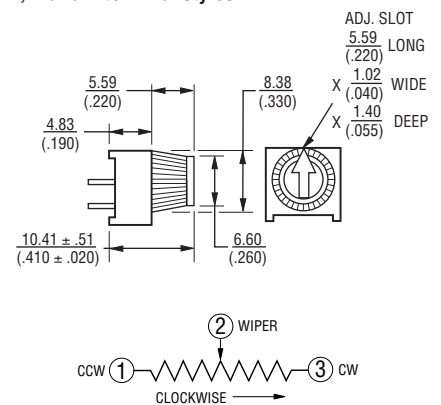
### 3386H-EY5 3386X-EY5 – SHOWN



#### 3386P-EY5



The Model 3386 is available with a knob for finger adjustment. Add suffix letter "T" to order code for F, P and X terminal styles.



DIMENSIONS: MM  
(INCHES)

TOLERANCES: ± 0.25  
(.010) EXCEPT WHERE NOTED

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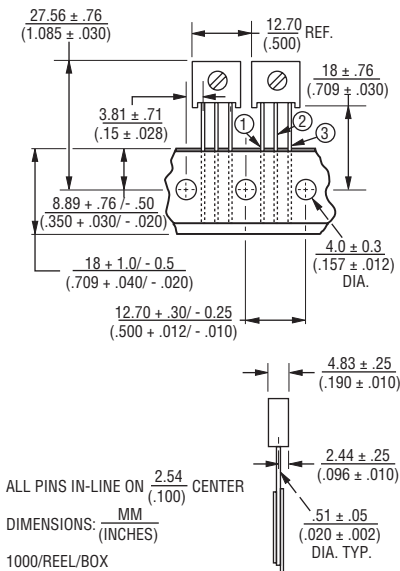
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# 3386 – 3/8 " Square Trimpot® Trimming Potentiometer

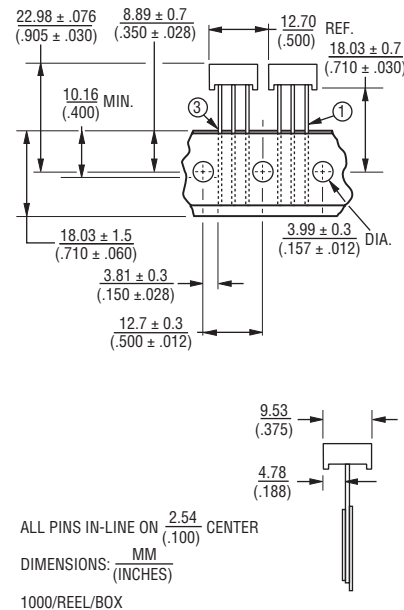
**BOURNS®**

## Packaging Specifications

### SIDE ADJUST 3386W-1



### TOP ADJUST 3386U-1



## How To Order

**3386 P - 1 - 103 T LF**

Model \_\_\_\_\_  
Style \_\_\_\_\_  
Standard or Modified \_\_\_\_\_  
Product Indicator \_\_\_\_\_  
-1 = Standard Product  
-EY5 = Extended Shaft  
Resistance Code \_\_\_\_\_  
Optional Suffix Letter \_\_\_\_\_  
T = Knob\*\*  
Packaging Designator \_\_\_\_\_  
Blank = Tube (Standard)  
R = Tape & Reel (W and U Pin Styles Only)  
A = Ammo Pack (W and U 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. Not recommended for side load applications.  
Consult factory for other available options.

Meets EIA Specification 468.

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

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REV. 12/24

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