



## 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

### Electrical Characteristics

|                                 |                      |
|---------------------------------|----------------------|
| Standard Resistance Range       | 10 ohms to 2 megohms |
| (see standard resistance table) |                      |
| Resistance Tolerance            | ±10 % std.           |
| (tighter tolerance available)   |                      |
| Absolute Minimum Resistance     | 2 ohms max.          |
| Contact Resistance Variation    | 2 % 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              |
| 70,000 Feet                     | 350 vac              |
| Adjustment Angle                | 280 ° nom.           |

### Environmental Characteristics

|                               |                              |
|-------------------------------|------------------------------|
| Power Rating (300 volts max.) |                              |
| 85 °C                         | 0.5 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 min.)    |                              |
| 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; 1 % or 1 ohm,       |                              |
| whichever is greater, CRV)    |                              |
| Rotational Life               | 200 cycles                   |
| (4 % ΔTR; 1 % or 1 ohm,       |                              |
| whichever is greater, CRV)    |                              |

### Physical Characteristics

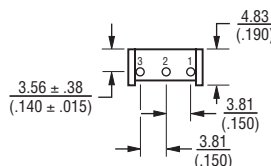
|                             |                        |
|-----------------------------|------------------------|
| Mechanical Angle            | 310 ° nom.             |
| Torque                      | 5.0 oz-in. max.        |
| Stop Strength               | 15.0 oz-in. min.       |
| Terminals                   | 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) ±10 % |
| Adjustment Tool             | H-90                   |

### Product Dimensions

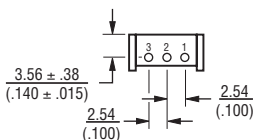
#### Common Dimensions Side Adjust Models B,C,J,X



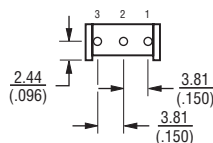
3386B



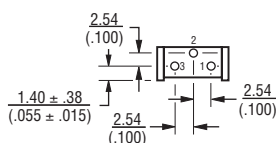
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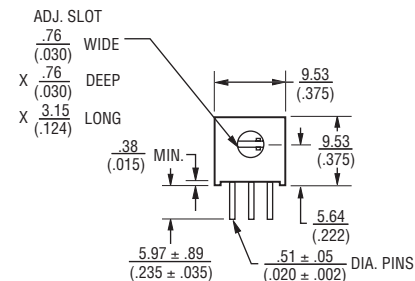
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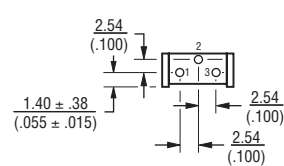
3386X



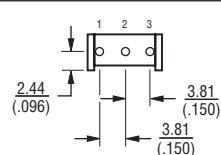
#### Common Dimensions Side Adjust Models H,S,W



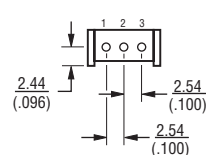
3386H



3386S



3386W



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

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

### 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.

### 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)  
 Terminations \_\_\_\_\_  
 LF = 100 % Tin-plated (RoHS compliant)  
 Blank = 90 % Tin / 10 % Lead-plated (Standard)

\*\*Knob option is available only in standard tube packaging.  
 Consult factory for other available options.

\*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.

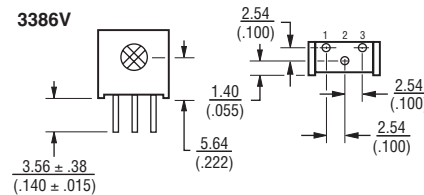
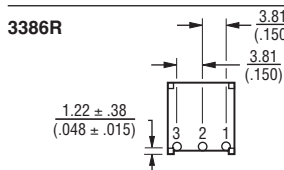
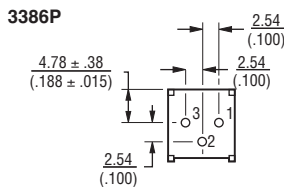
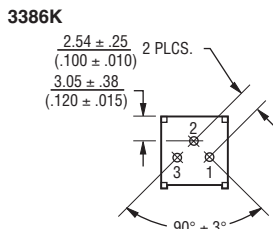
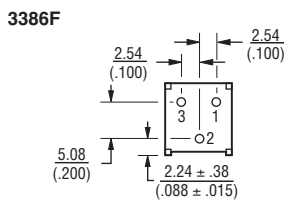
Customers should verify actual device performance in their specific applications.

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

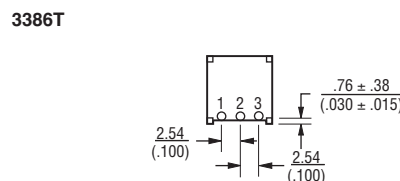
**BOURNS®**

## Product Dimensions

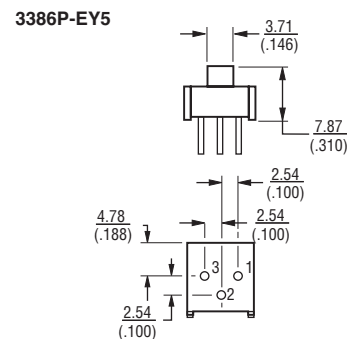
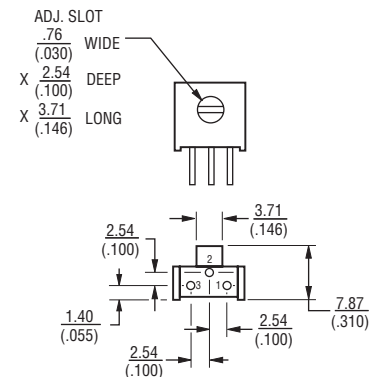
### Common Dimensions Top Adjust Models F,G,K,P,R,U,V,Y



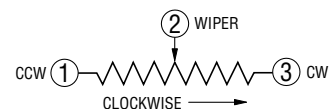
### Common Dimensions Top Adjust Models M,T



### 3386H-EY5 3386X-EY5 – SHOWN



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 (0.010) EXCEPT WHERE NOTED

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

**BOURNS®**

## Packaging Specifications

### SIDE ADJUST 3386W-1



### TOP ADJUST 3386U-1



Meets EIA Specification 468.

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

REV. 10/11

"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.

## Данный компонент на территории Российской Федерации

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

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