

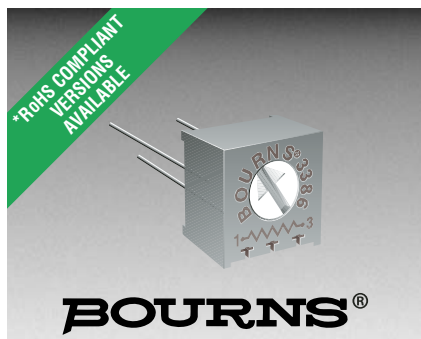
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ELECTRONICS

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Jameco Part Number 2041121 (2)



## 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

## Features

- Top and side adjust types (F, P, H, W, X most popular)
- High voltage types available (see [Model 3386 HV2/3386 HV3](#) for details)
- RoHS compliant\* version available

# 3386 - 3/8" Square 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 .....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.

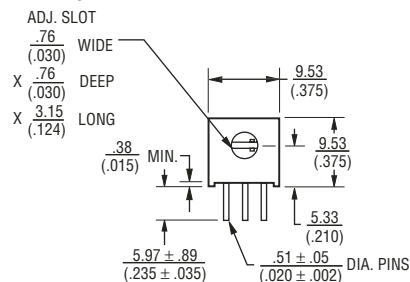
## Environmental Characteristics

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<sup>†</sup>  
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)

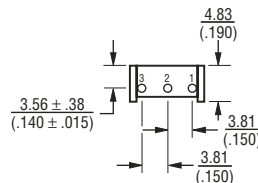
## Physical Characteristics

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

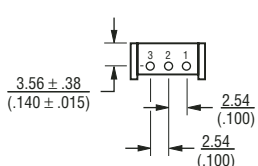
## Common Dimensions Side Adjust Models B,C,J,X



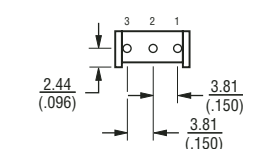
3386B



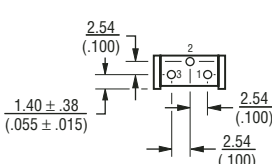
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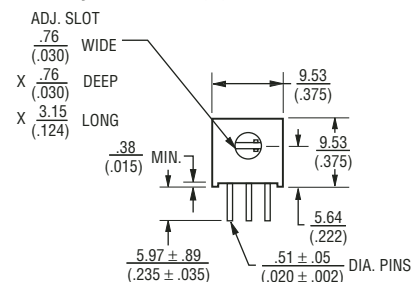
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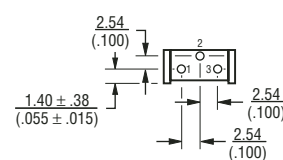
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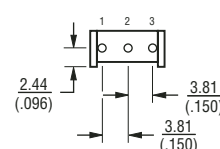
## Common Dimensions Side Adjust Models H,S,W



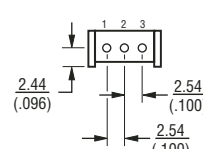
3386H



3386S



3386W



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

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

## 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.

## 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             |

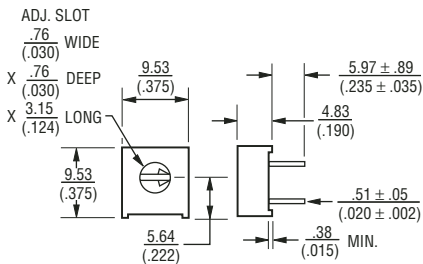
Popular distribution resistance values listed in boldface. Special resistances available.

\*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.

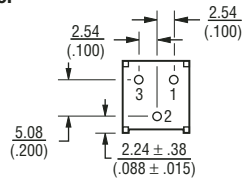
# 3386 - 3/8" Square Trimming Potentiometer

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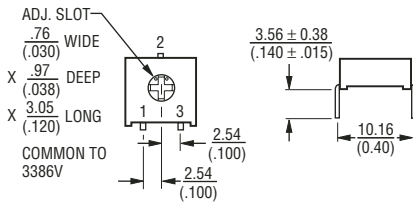
## Common Dimensions Top Adjust Models F,G,K,P,R,U,V,Y



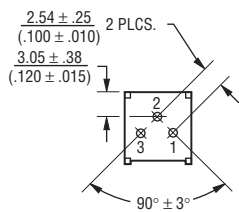
### 3386F



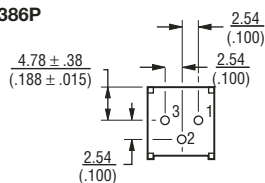
### 3386G



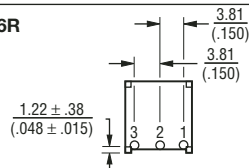
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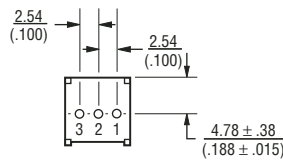
### 3386P



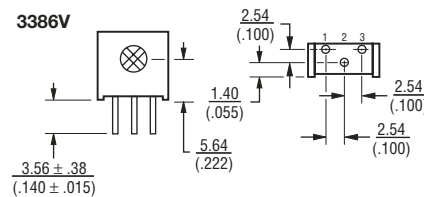
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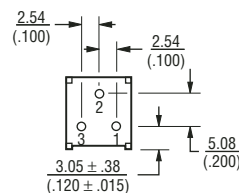
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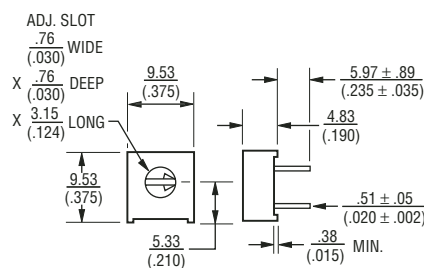
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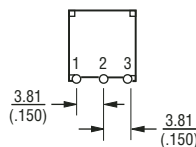
### 3386Y



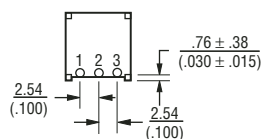
## Common Dimensions Top Adjust Models M,T



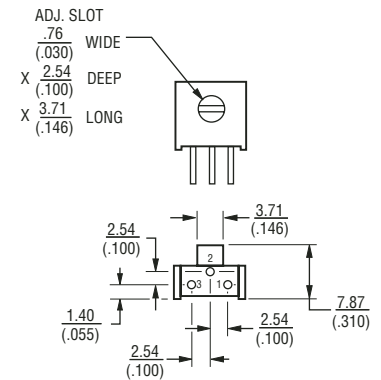
### 3386M



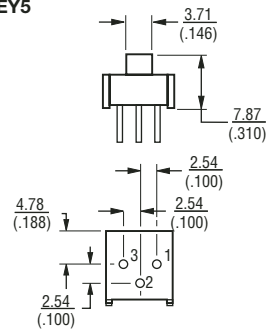
### 3386T



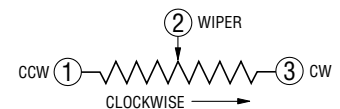
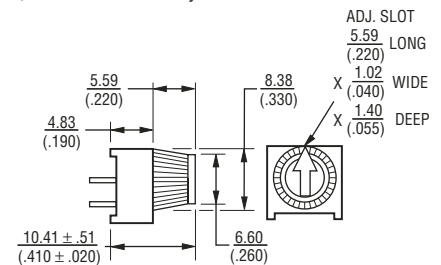
## 3386H-EY5 3386X-EY5 - SHOWN



### 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.



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

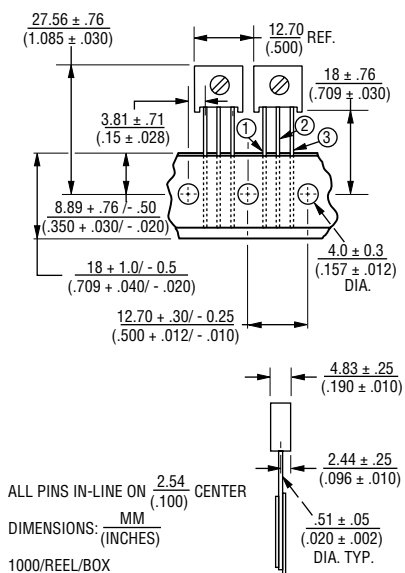
DIMENSIONS ARE:  $\frac{\text{MM}}{(\text{INCHES})}$

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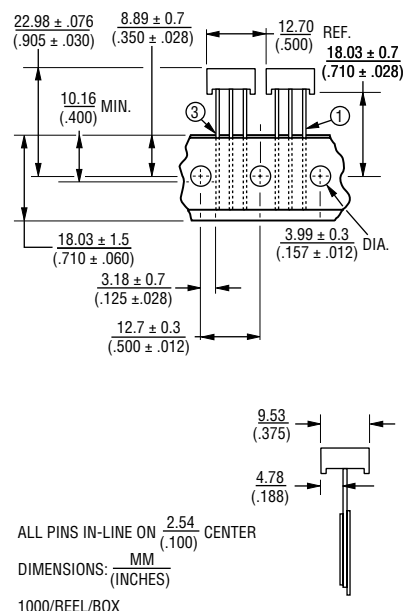
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## Packaging Specifications

### SIDE ADJUST 3386W-1



### TOP ADJUST 3386U-1



Meets EIA Specification 468.