

**BOURNS®**

**Features**

- Single Turn / Cermet / Industrial / Sealed
- Available on tape and reel (see page 71 for details)
- 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)
- High voltage types available (see page 61 for details)

**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**

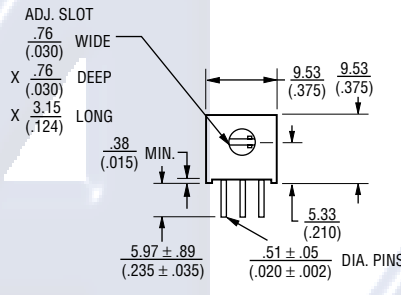
Power Rating (300 volts max.)  
 85°C .....0.5 watt  
 125°C .....0 watt  
 Temperature Range .....-55°C to +125°C  
 Temperature Coefficient .....±100ppm/°C  
 Seal Test .....85°C Fluorinert\*  
 Humidity .....MIL-STD-202 Method 103  
 96 hours  
 (2% ΔTR, 10 Megohms min.)  
 Vibration.....30G (1% ΔTR; 1% ΔVR)  
 Shock.....100G (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**

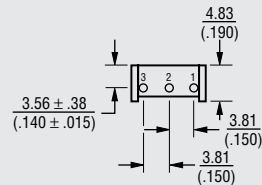
Mechanical Angle .....310° nom.  
 Torque .....5.0 oz-in. max.  
 Stop Strength .....15.0 oz -in. min.  
 Terminals .....Solderable pins  
 Weight .....0.03 oz.  
 Marking .....Manufacturer's trademark, resistance code, wiring diagram, date code, manufacturer's model number and style  
 Standard Packaging .....50 pcs. per tube  
 Wiper Positioned at 50% Nominal  
 Adjustment Tool .....H-90

\*"FLUORINERT" IS A REGISTERED TRADEMARK OF 3M CO.  
 Specifications are subject to change without notice.

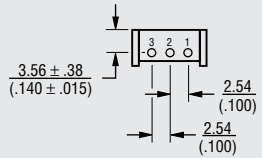
**Common Dimensions Side Adjust**



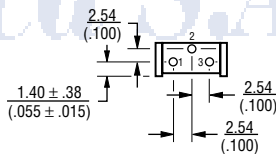
**3386B**



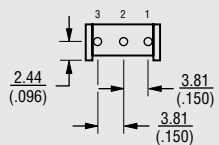
**3386C**



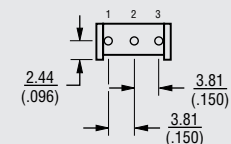
**3386H**



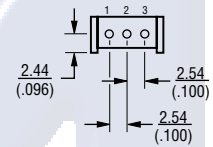
**3386J**



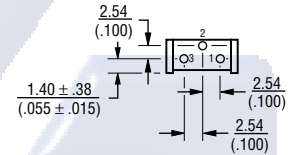
**3386S**



**3386W**



**3386X**



**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

Special resistances available.

**How To Order**

**3386 P - 1 - 103 T**

Model \_\_\_\_\_  
 Style \_\_\_\_\_  
 Standard or Modified \_\_\_\_\_  
 Product Indicator \_\_\_\_\_  
 -1 = Standard Product  
 -EY5 = Extended Shaft  
 Resistance Code \_\_\_\_\_  
 Optional Suffix Letter \_\_\_\_\_  
 T = Knob

Consult factory for other available options.

TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

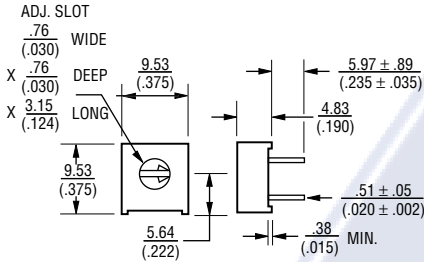
DIMENSIONS ARE: METRIC (INCHES)

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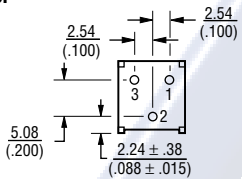
# 3386 - 3/8" Square Trimming Potentiometer



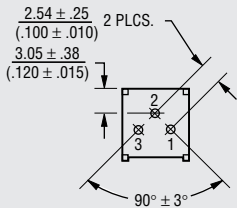
## Common Dimensions Top Adjust



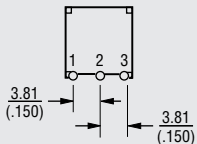
### 3386F



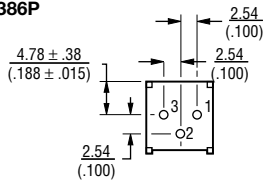
### 3386K



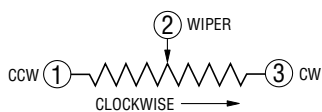
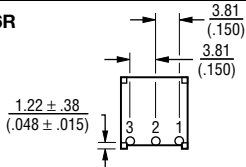
### 3386M



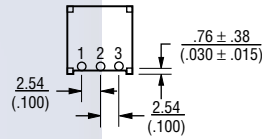
### 3386P



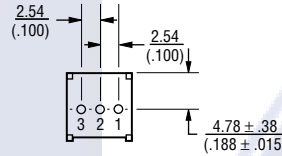
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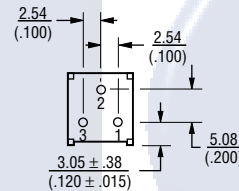
### 3386T



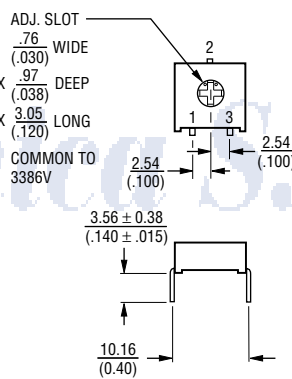
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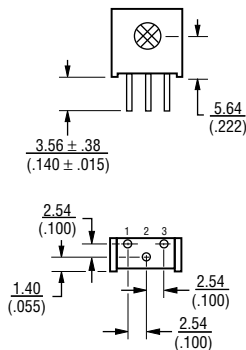
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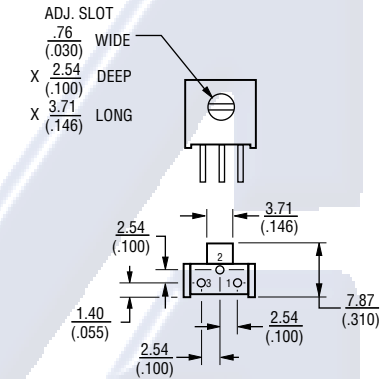
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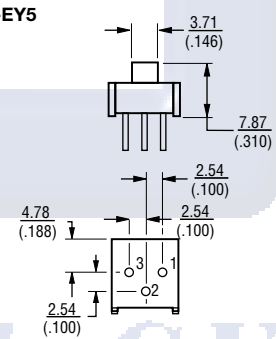
### 3386V



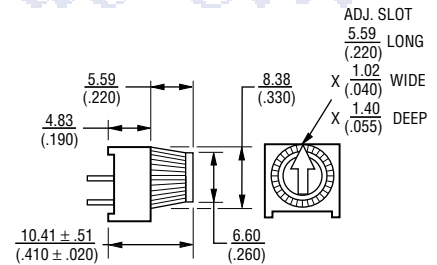
### 3386H-EY5 3386X-EY5 - SHOWN



### 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.



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