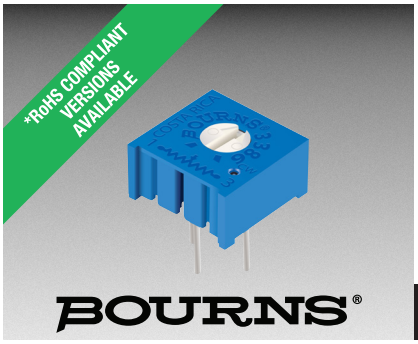


Features

- 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:

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. (tighter tolerance available)
Absolute Minimum Resistance ..... 2 ohms max.
Contact Resistance Variation ..... 2 % 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
70,000 Feet ..... 350 VAC
Adjustment Angle ..... 280 ° nom.

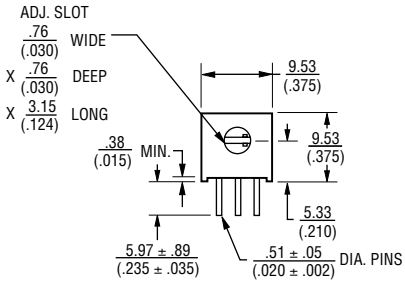
Environmental Characteristics

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
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 @ 85 °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)

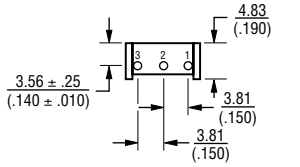
WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

Product Dimensions

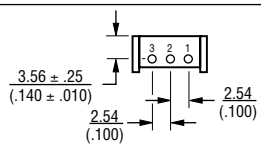
Common Dimensions
Side Adjust Models B,C,J,X



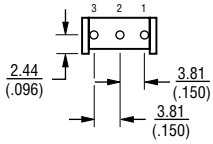
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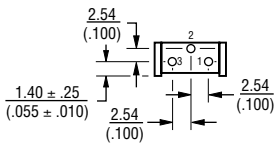
3386C



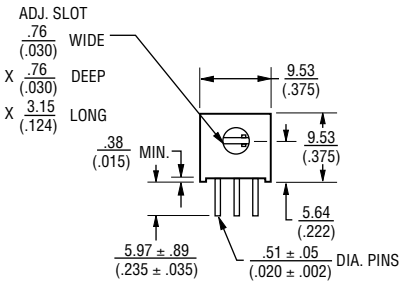
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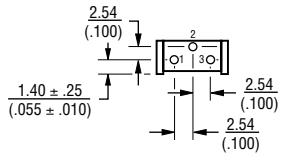
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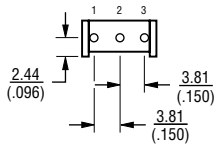
Common Dimensions
Side Adjust Models H,S,W



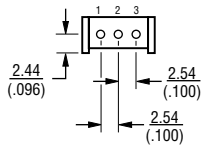
3386H



3386S



3386W



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.

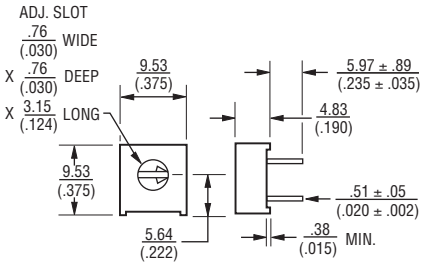
Physical Characteristics

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

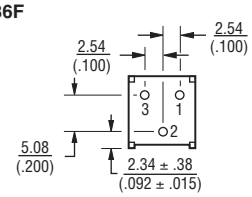
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Product Dimensions

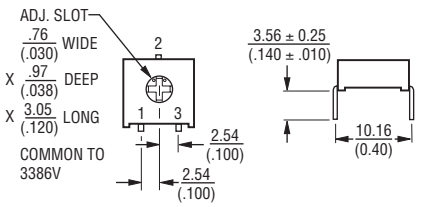
Common Dimensions
Top Adjust Models F,G,K,P,R,U,V,Y



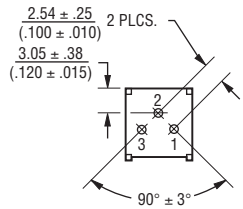
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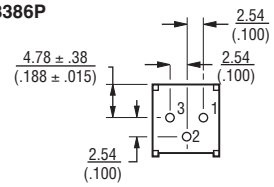
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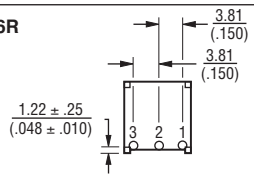
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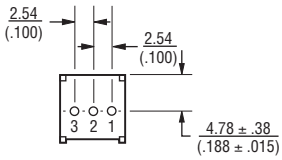
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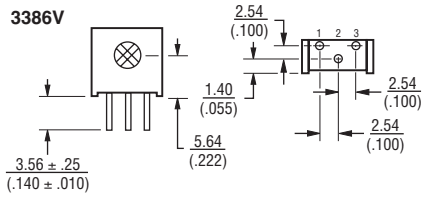
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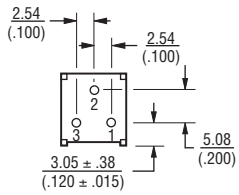
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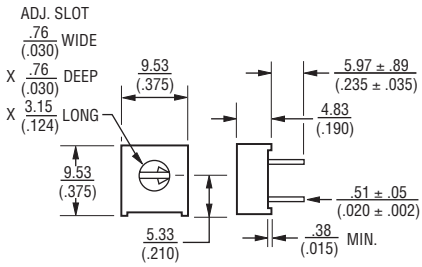
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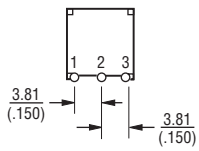
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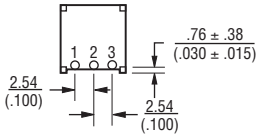
Common Dimensions
Top Adjust Models M,T



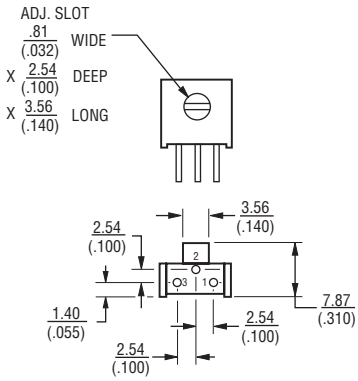
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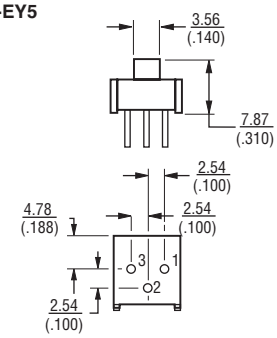
3386T



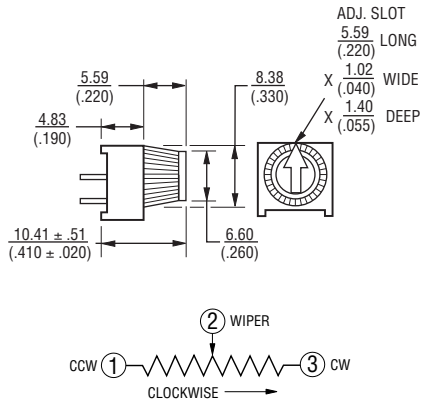
3386H-EY5
3386X-EY5 – SHOWN



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

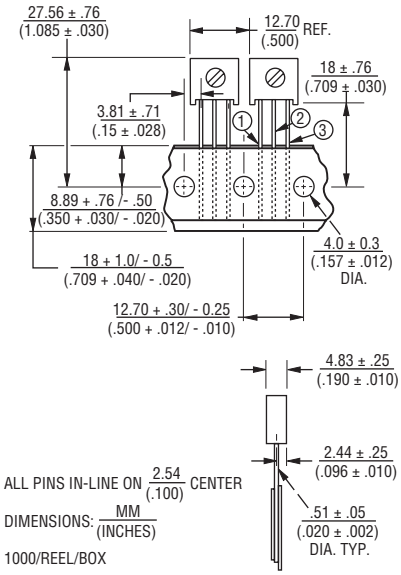
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3386 – 3/8 ″ Square Trimpot® Trimming Potentiometer

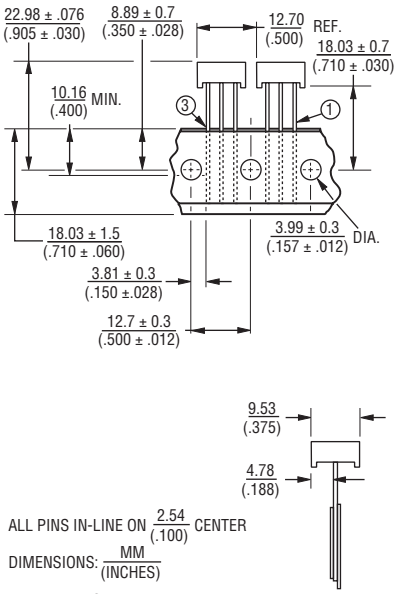
BOURNS®

Packaging Specifications

SIDE ADJUST
3386W-1



TOP ADJUST
3386U-1



Meets EIA Specification 468.

DIMENSIONS: MM (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)
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.

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REV. 12/24

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- Bourns considers implantable/invasive devices and devices/procedures designed as life-supporting or life-sustaining by the U.S. Food and Drug Administration or equivalent organizations outside of the United States as "life-critical" medical applications. Bourns expressly identifies those Bourns® standard products that are suitable for use in typical medical applications that are not life-critical in its publication entitled "Bourns Medical Grade Component Guide."

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