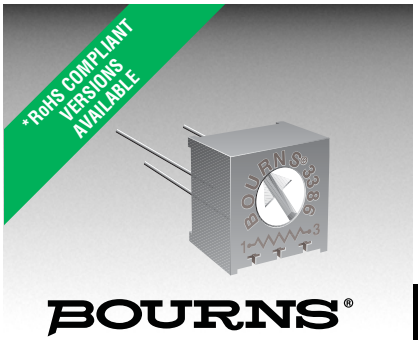



## Features

- 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

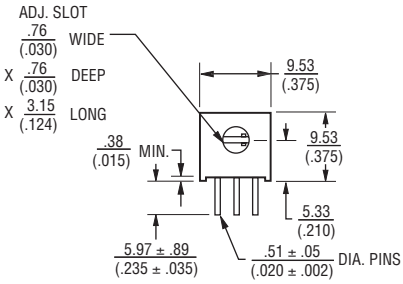
Power Rating (300 volts max.)
85 °C .....0.5 watt
125 °C .....0 watt
Temperature Range ... -55 °C to +125 °C
Temperature Coefficient ... ±100 ppm/°C
Seal Test .....85 °C Fluorinert†
Humidity .....MIL-STD-202 Method 103
96 hours
(2 % ΔTR, 10 Megohms min.)
Vibration ..... 30 G (1 % ΔTR; 1 % ΔVR)
Shock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

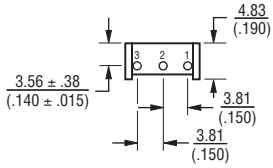
Mechanical Angle ..... 310 ° nom.
Torque.....5.0 oz-in. max.
Stop Strength .....15.0 oz -in. min.
Terminals .....Solderable pins
Weight .....0.03 oz.
Marking.....Manufacturer's
trademark, resistance code,
wiring diagram, date code,
manufacturer's model
number and style
Flammability .....U.L. 94V-0
Standard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

## Product Dimensions

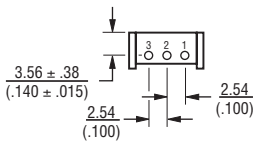
**Common Dimensions**
**Side Adjust Models B,C,J,X**




**3386B**




**3386C**

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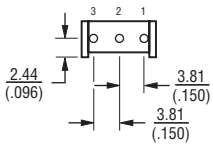
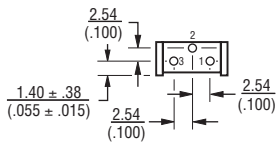
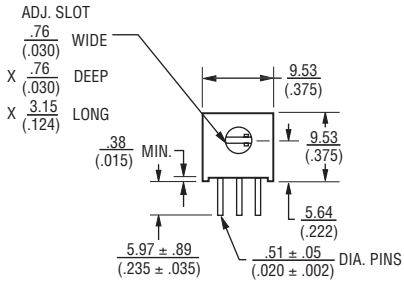



**3386X**




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

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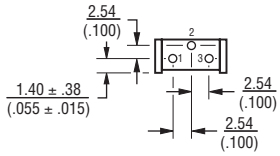
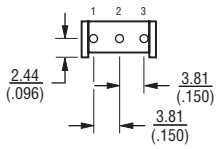
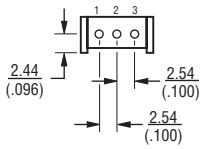



**3386S**




**3386W**




DIMENSIONS: MM / (INCHES)

TOLERANCES: ± 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**

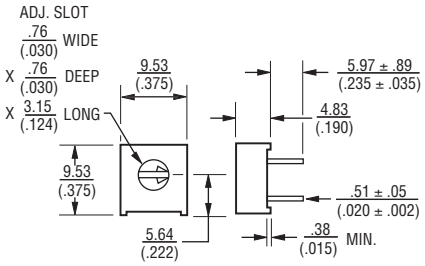
Model
Style
Standard or Modified Product Indicator
-1 = Standard Product
-EY5 = Extended Shaft
Resistance Code
Optional Suffix Letter
T = Knob**
Packaging Designator
Blank = Tube (Standard)
R = Tape & Reel (W and U Pin Styles Only)
A = Ammo Pack (W and U Pin Styles Only)
Terminations
LF = 100 % Tin-plated (RoHS compliant)
Blank = 90 % Tin / 10 % Lead-plated (Standard)

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

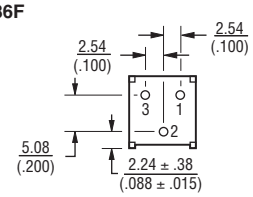
*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex.
†"Fluorinert" is a registered trademark of 3M Co.
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.

## Product Dimensions

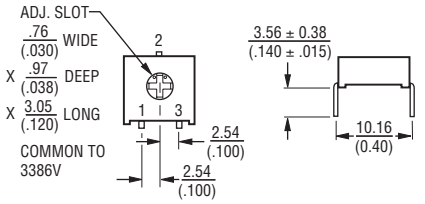
**Common Dimensions**
**Top Adjust Models F,G,K,P,R,U,V,Y**



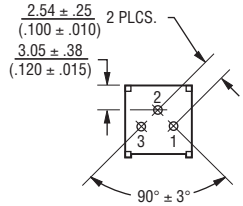

**3386F**



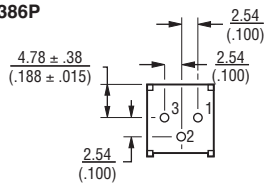

**3386G**



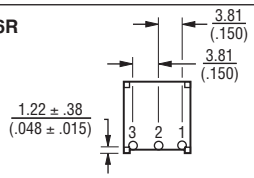

**3386K**



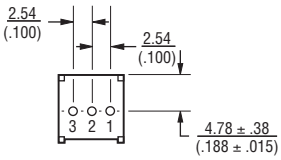

**3386P**



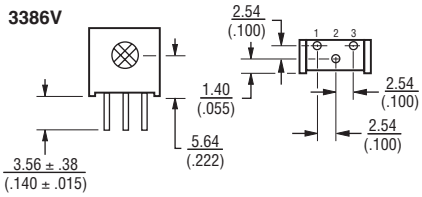

**3386R**



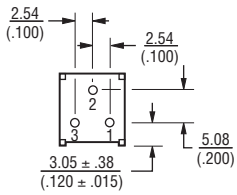

**3386U**



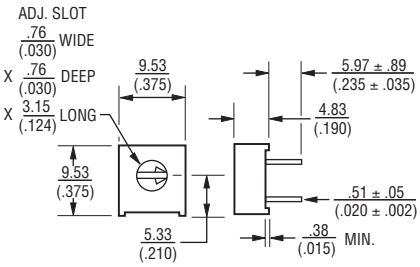

**3386V**



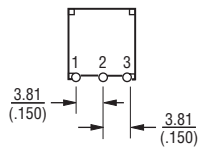

**3386Y**



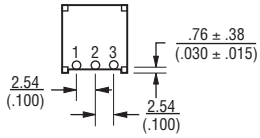

**Common Dimensions**
**Top Adjust Models M,T**



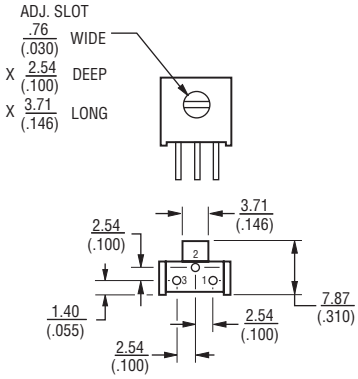

**3386M**



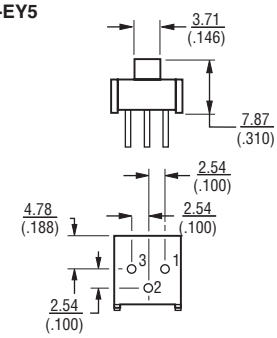

**3386T**



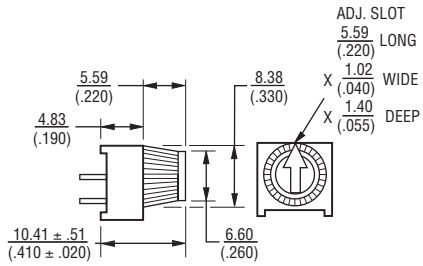

**3386H-EY5**
**3386X-EY5 – SHOWN**

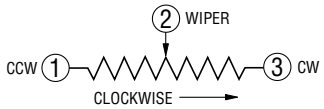



**3386P-EY5**




**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.**



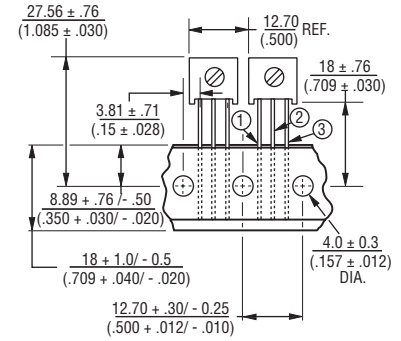

DIMENSIONS: MM / (INCHES)

TOLERANCES: ± 0.25 / (.010) EXCEPT WHERE NOTED

Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.

## Packaging Specifications

**SIDE ADJUST**
**3386W-1**

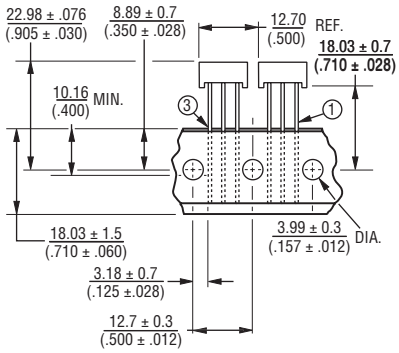



ALL PINS IN-LINE ON 2.54 (.100) CENTER

DIMENSIONS: MM (INCHES)

1000/REEL/BOX

**TOP ADJUST**
**3386U-1**




ALL PINS IN-LINE ON 2.54 (.100) CENTER

DIMENSIONS: MM (INCHES)

1000/REEL/BOX

Meets EIA Specification 468.

DIMENSIONS: MM (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.

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

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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

**Офис по работе с юридическими лицами:**

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