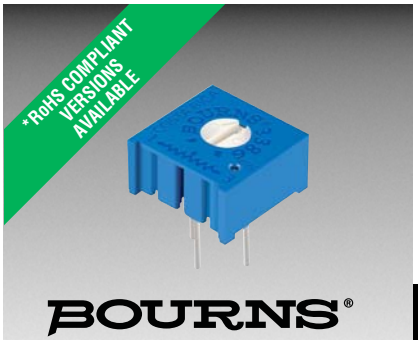


Features

- 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 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 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; 3 % or 3 ohms,
whichever is greater, CRV)
Rotational Life .....200 cycles
(4 % ΔTR; 3 % or 3 ohms,
whichever is greater, CRV)

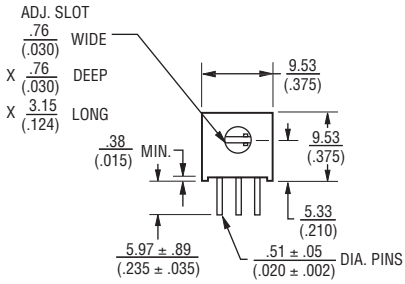
Physical Characteristics

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

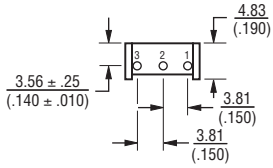
*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
†"Fluorinert" is a registered trademark of 3M Co.
Specifications are subject to change without notice.
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
Users should verify actual device performance in their specific applications.

Product Dimensions

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



3386B



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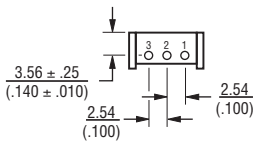

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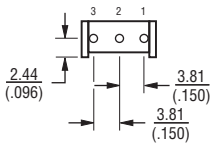

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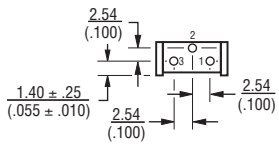
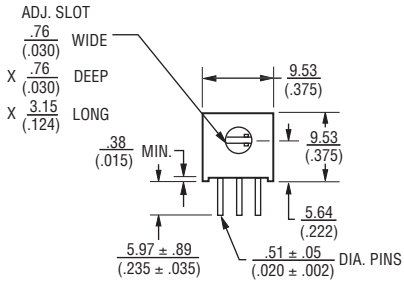


Common Dimensions
Side Adjust Models H,S,W



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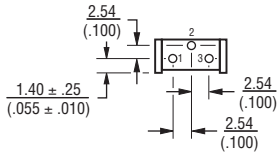

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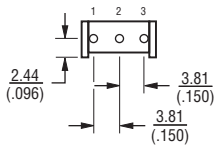

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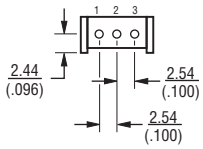


DIMENSIONS: MM / (INCHES)
TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

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)

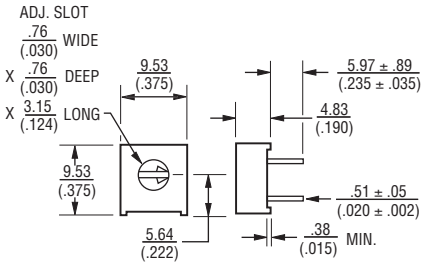
**Knob option is available only in standard tube packaging. Not recommended for side load applications.
Consult factory for other available options.

3386 - 3/8 ” Square Trimpot® Trimming Potentiometer

BOURNS®

Product Dimensions

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



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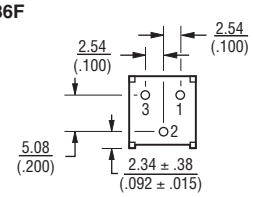

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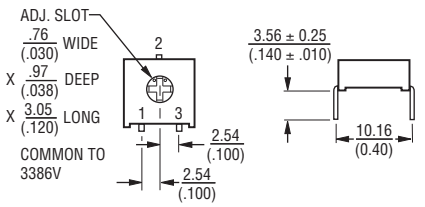

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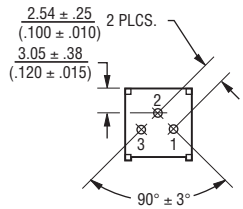

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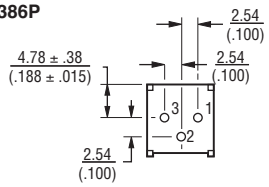

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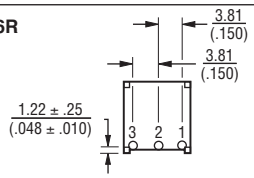

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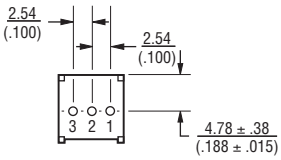

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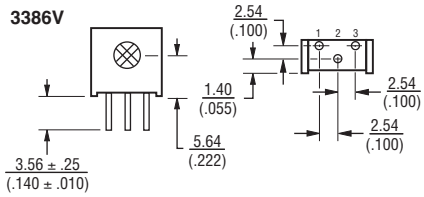

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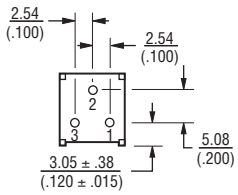
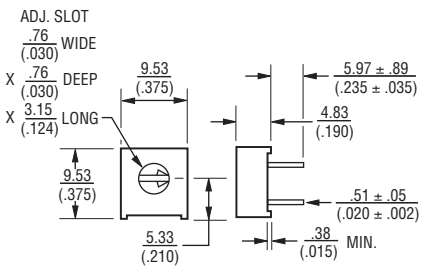


Common Dimensions
Top Adjust Models M,T



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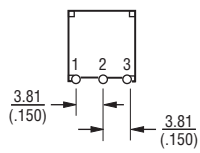

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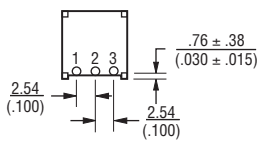
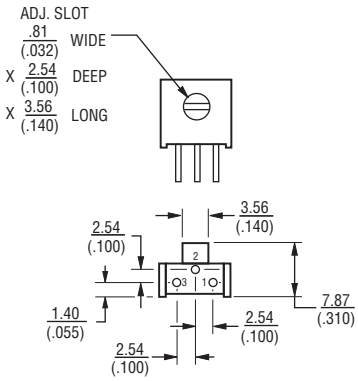
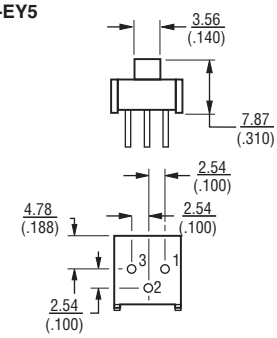


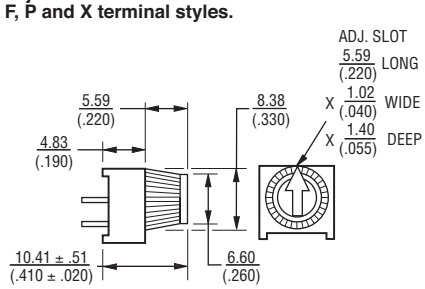
3386H-EY5
3386X-EY5 – SHOWN

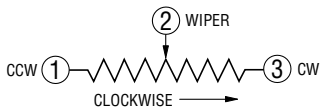


3386P-EY5



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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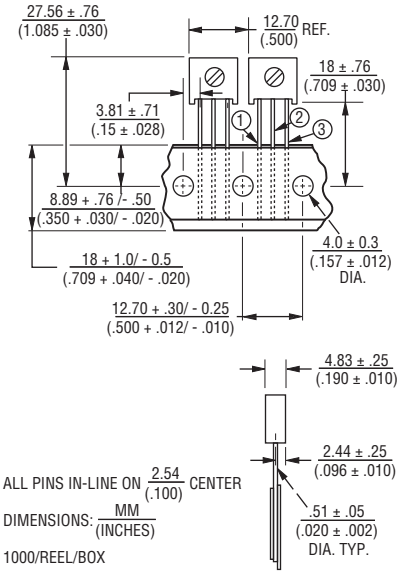
Users should verify actual device performance in their specific applications.

Packaging Specifications

SIDE ADJUST
3386W-1

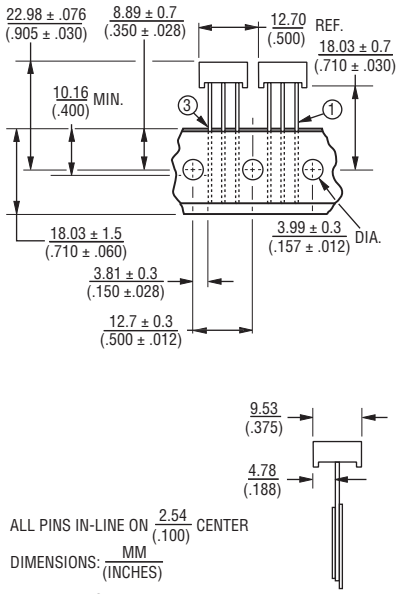


ALL PINS IN-LINE ON 2.54 (.100) CENTER

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. 04/14

“Trimpot” is a registered trademark of Bourns, Inc.
Specifications are subject to change without notice.
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Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bourns:

3386F-1-223T 3386J-1-501 3386K-1-503 3386J-1-503 3386H-1-503 3386M-1-503 3386H-1-502 3386M-1-502 3386J-1-502 3386H-1-501 3386H-1-500 3386M-1-504 3386K-1-500 3386H-1-504 3386K-1-501 3386M-1-501 3386M-1-500 3386H-1-505 3386J-1-104 3386M-1-101 3386J-1-102 3386H-1-102 3386M-1-102 3386K-1-102 3386H-1-100 3386K-1-104 3386M-1-100 3386H-1-104 3386M-1-104 3386K-1-103 3386H-1-103 3386H-1-101 3386M-1-103 3386M-1-105 3386J-1-101 3386K-1-101 3386J-1-105 3386H-1-105 3386J-1-103 3386P-11-501T 3386H-DM7-503 3386H-DM7-502 3386H-DM7-505 3386Y-DM7-105 3386G-1-682 3386G-1-680 3386Y-DM7-103 3386P-EY5-334 3386H-EY5-102 3386H-EY5-104 3386X-EY5-103 3386H-EY5-100 3386H-EY5-103 3386H-EY5-101 3386H-EY5-105 3386H-DM7-202 3386H-DM7-204 3386H-DM7-205 3386H-DM7-203 3386X-1-251 3386Y-1-251 3386Y-1-253 3386X-1-253 3386Y-1-254 3386X-1-254 3386X-1-252 3386P-1-101 3386T-1-101 3386S-1-105 3386R-1-101 3386R-1-105 3386S-1-101 3386W-1-101 3386S-1-103 3386W-1-105 3386V-1-101 3386P-1-102 3386V-1-102 3386R-1-102 3386U-1-103 3386U-1-102 3386S-1-102 3386W-1-102 3386W-1-104 3386V-1-100 3386S-1-104 3386R-1-100 3386W-1-103 3386V-1-105 3386T-1-105 3386U-1-101 3386P-1-105 3386T-1-102 3386V-1-103 3386P-1-103 3386T-1-103 3386S-1-122 3386S-1-142 3386V-1-152 3386R-1-103