

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 Range10 to 2 megohms
 (see standard resistance table)
 Resistance Tolerance±10 % std.
 (tighter tolerance available)
 Absolute Minimum Resistance2 ohms max.
 Contact Resistance Variation2 % or 3 ohms max.
 (whichever is greater)
 Adjustability
 Voltage±0.05 %
 Resistance±0.15 %
 Resolution.....Infinite
 Insulation Resistance500 vdc.
 1,000 megohms min.
 Dielectric Strength
 Sea Level900 vac
 70,000 Feet350 vac
 Adjustment Angle280 ° nom.

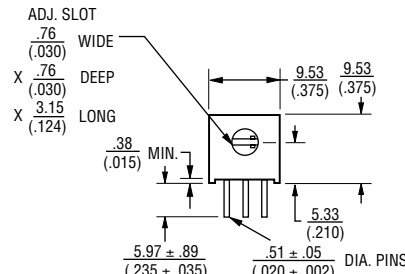
Environmental Characteristics

Power Rating (300 volts max.)
 85 °C0.5 watt
 125 °C0 watt
 Temperature Range-55 °C to +125 °C
 Temperature Coefficient±100 ppm/°C
 Seal Test.....85 °C Fluorinert†
 HumidityMIL-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 Life200 cycles
 (4 % ΔTR; 1 % or 1 ohm,
 whichever is greater, CRV)

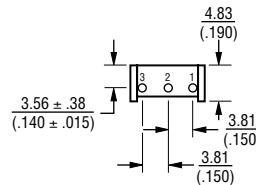
Physical Characteristics

Mechanical Angle310 ° nom.
 Torque5.0 oz-in. max.
 Stop Strength15.0 oz-in. min.
 TerminalsSolderable pins
 Weight0.03 oz.
 MarkingManufacturer's
 trademark, resistance code,
 wiring diagram, date code,
 manufacturer's model
 number and style
 FlammabilityU.L. 94V-0
 Standard Packaging50 pcs. per tube
 Wiper.....50 % (Actual TR) ±10 %
 Adjustment ToolH-90

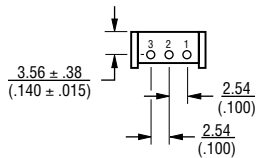
Common Dimensions Side Adjust



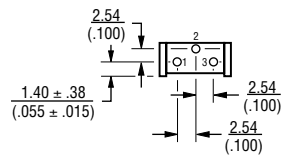
3386B



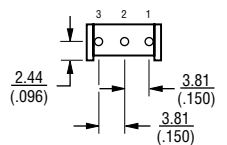
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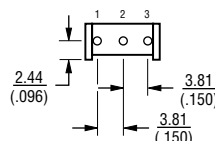
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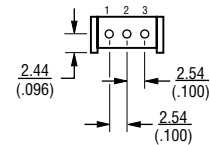
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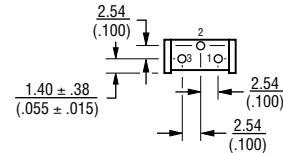
3386S



3386W



3386X



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

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

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.

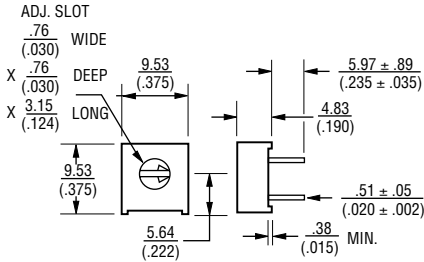
Consult factory for other available options.

*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.

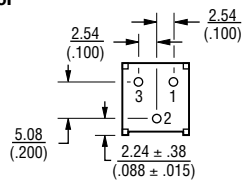
3386 - 3/8" Square Trimming Potentiometer

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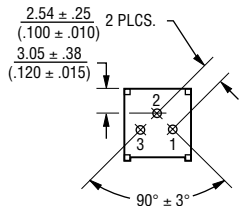
Common Dimensions Top Adjust



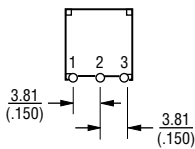
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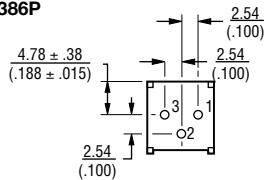
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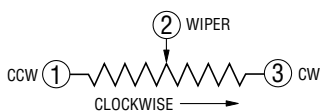
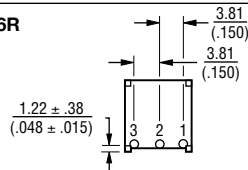
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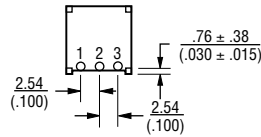
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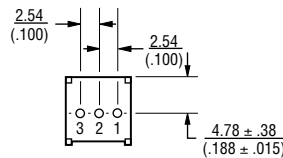
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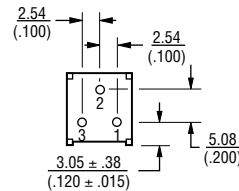
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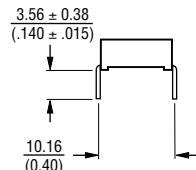
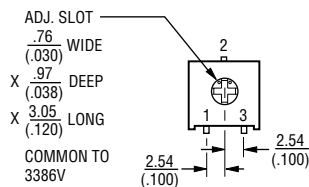
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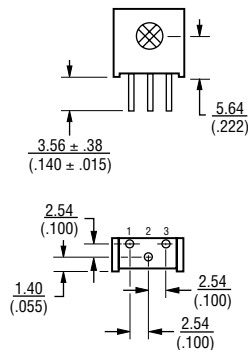
3386Y



3386G

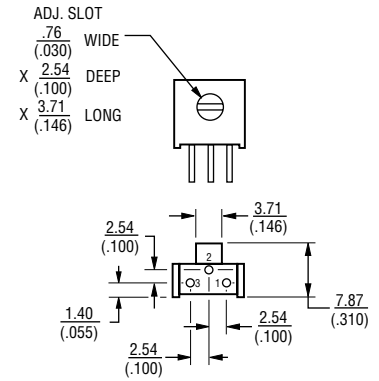


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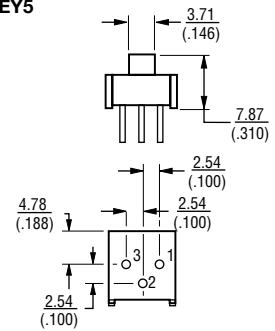


3386H-EY5

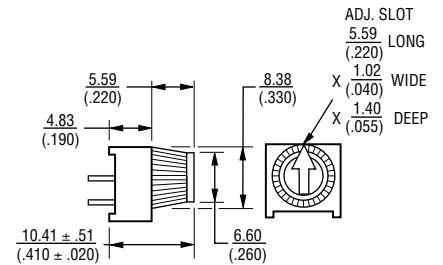
3386X-EY5 - SHOWN



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.

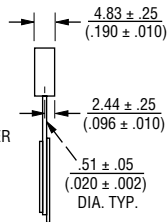
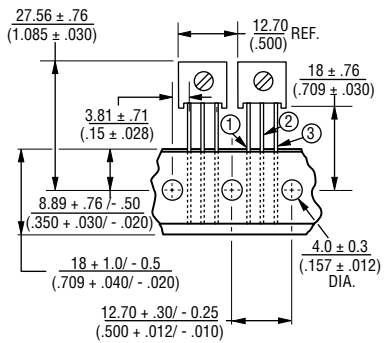


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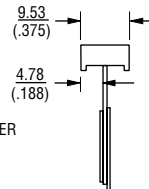
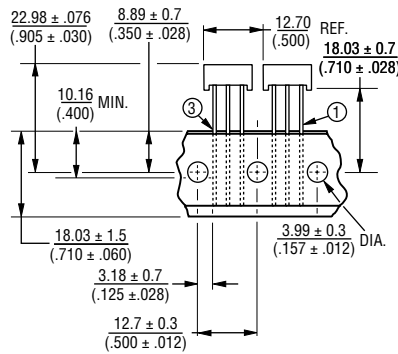
Packaging Specifications

SIDE ADJUST 3386W-1



ALL PINS IN-LINE ON $\frac{2.54}{(.100)}$ CENTER
DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$
1000/REEL/BOX

TOP ADJUST 3386U-1



ALL PINS IN-LINE ON $\frac{2.54}{(.100)}$ CENTER
DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$
1000/REEL/BOX

Meets EIA Specification 468.