

## Features

- Single-Turn / Cermet / Industrial / Sealed
- Miniature package
- Rotor designed for automatic machine adjust interface
- Withstands harsh environments and immersion cleaning processes
- Available on tape and reel packaging
- RoHS compliant\* version available

# 3362 - 1/4 " 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 ..... 1 % or 2 ohms  
 (whichever is greater)  
 Contact Resistance Variation ..... 1 % 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  
 80,000 Feet ..... 350 vac  
 Adjustment Angle ..... 240 ° nom.

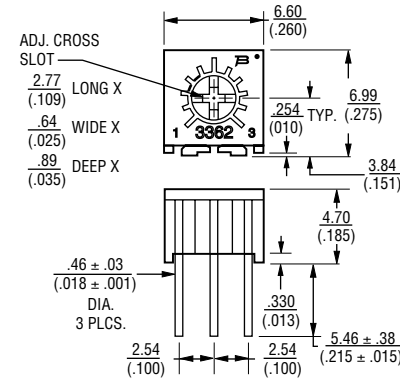
### Environmental Characteristics

**Power Rating** (300 volts max.)  
 70 °C ..... 0.50 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 IR)  
**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)

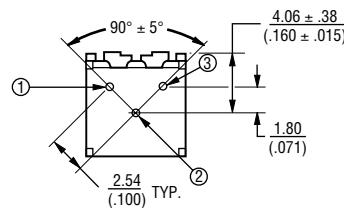
### Physical Characteristics

**Mechanical Angle** ..... 270 ° nom.  
**Torque** ..... 3.0 oz-in. max.  
**Stop Strength** ..... 7.0 oz-in. min.  
**Terminals** ..... Solderable pins  
**Weight** ..... 0.02 oz.  
**Marking** ..... Resistance code,  
 terminal numbers, manufacturer's  
 model number, style  
 and date code  
**Wiper** ..... 50 % (Actual TR) ±10 %  
**Flammability** ..... U.L. 94V-0  
**Standard Packaging** ..... 50 pcs. per tube  
**Adjustment Tool** ..... H-90

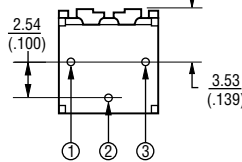
### Common Dimensions Top Adjust



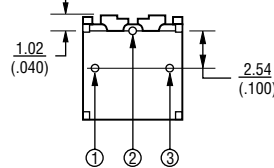
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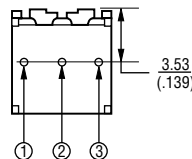
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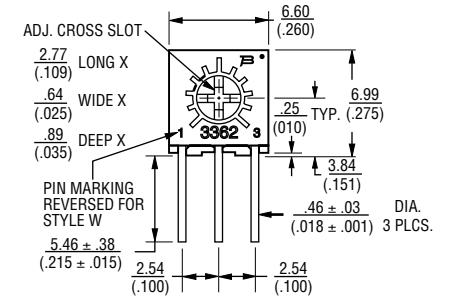
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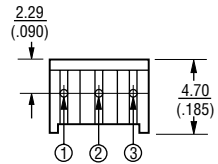
### 3362U



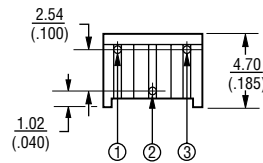
### Common Dimensions Side Adjust



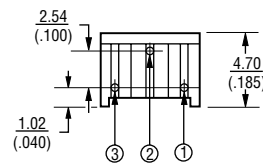
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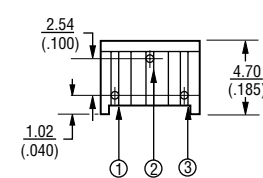
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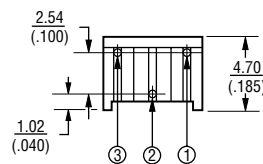
### 3362W



### 3362X

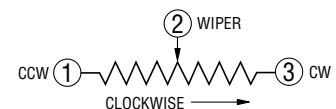


### 3362Z



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

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



\*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.