

## Features

- Four-Turn / Cermet / Industrial / Sealed
- Unique planetary drive offers precise wiper setting of a multiturn in a single-turn package size
- Top and side adjust styles
- RoHS compliant\* version available

# 3339 - 5/16 " Round Trimming Potentiometer

### Electrical Characteristics

Standard Resistance Range .....10 to 1 megohm  
 (see standard resistance table)  
 Resistance Tolerance .....±10 % std.  
 (tighter tolerance available)  
 Absolute Minimum Resistance .....1 % or 2 ohms max.  
 (whichever is greater)  
 Contact Resistance Variation .....3 % or 3 ohms max.  
 (whichever is greater)  
 Adjustability  
 Voltage .....±0.05 %  
 Resistance .....±0.1 %  
 Resolution.....Infinite  
 Insulation Resistance .....500 vdc.  
 1,000 megohms min.  
 Dielectric Strength  
 Sea Level .....600 vac  
 80,000 Feet .....250 vac  
 Effective Travel.....4 turns nom.

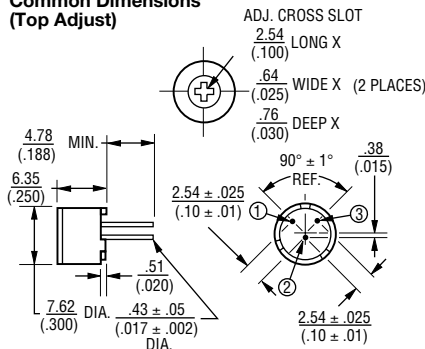
### Environmental Characteristics

Power Rating (300 volts max.)  
 85 °C .....0.5 watt  
 150 °C .....0 watt  
 Temperature Range .....-55 °C to +150 °C  
 Temperature Coefficient .....±100 ppm/°C  
 Seal Test.....85 °C Fluorinert<sup>†</sup>  
 Humidity.....MIL-STD-202 Method 103  
 96 hours  
 (3 % 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 @ 85 °C  
 (3 % ΔTR; 3 % or 3 ohms, whichever is greater, CRV)  
 Rotational Life .....200 cycles  
 (3 % ΔTR; 3 % or 3 ohms, whichever is greater, CRV)

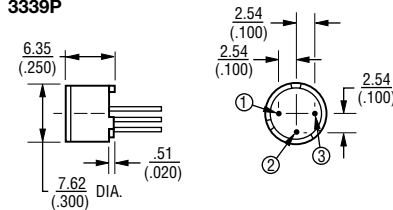
### Physical Characteristics

Torque .....3 oz-in. max.  
 Mechanical Stops.....Wiper idles  
 Terminals .....Solderable pins  
 Weight .....0.02 oz.  
 Marking .....Manufacturer's trademark, resistance code, wiring diagram, date code, manufacturer's model number and style  
 Wiper.....50 % (Actual TR) ±10 %  
 Flammability.....U.L.94V-0  
 Standard Packaging .....50 pcs. per tube  
 Adjustment Tool .....H-90

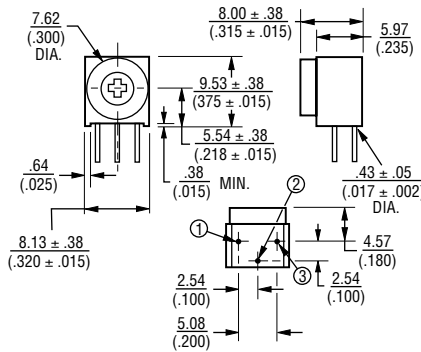
### 3339H Common Dimensions (Top Adjust)



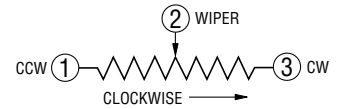
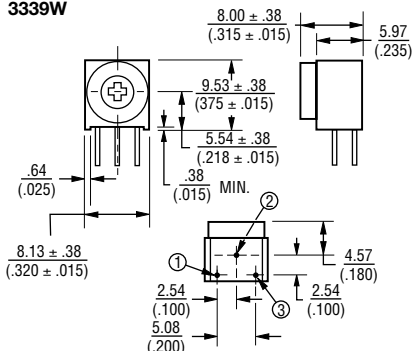
### 3339P Common Dimensions (Side Adjust)



### 3339S Common Dimensions (Side Adjust)



### 3339W Common Dimensions (Side Adjust)



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

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

### How To Order

**3339 H - 1 - 103 LF**

Model \_\_\_\_\_  
 Style \_\_\_\_\_  
 Standard or Modified Product Indicator \_\_\_\_\_  
 -1 = Standard Product  
 Resistance Code \_\_\_\_\_  
 Terminations \_\_\_\_\_  
 LF = 100 % Tin-plated (RoHS compliant)  
 Blank = 90 % Tin / 10 % Lead-plated (Standard)  
 Consult factory for other available options.

### Standard Resistance Table

Resistance (Ohms)	Resistance Code
10	100
20	200
50	500
<b>100</b>	<b>101</b>
<b>200</b>	<b>201</b>
<b>500</b>	<b>501</b>
<b>1,000</b>	<b>102</b>
<b>2,000</b>	<b>202</b>
<b>5,000</b>	<b>502</b>
<b>10,000</b>	<b>103</b>
<b>20,000</b>	<b>203</b>
<b>25,000</b>	<b>253</b>
<b>50,000</b>	<b>503</b>
<b>100,000</b>	<b>104</b>
200,000	204
250,000	254
500,000	504
1,000,000	105

Popular distribution resistance values listed in boldface. Special resistances available.