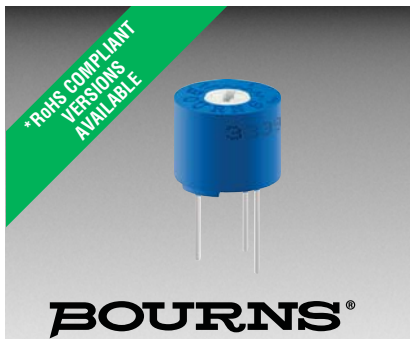




## Features

- 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

- For trimmer applications/processing guidelines, [click here](#)

## 3339 - 5/16 " Round Trimpot® Trimming Potentiometer

### Electrical Characteristics

|                              |                                                   |
|------------------------------|---------------------------------------------------|
| Standard Resistance Range    | 10 to 1 megohm<br>(see standard resistance table) |
| Resistance Tolerance         | ±10 % std.<br>(tighter tolerance available)       |
| Absolute Minimum Resistance  | 1 % or 2 ohms max.<br>(whichever is greater)      |
| Contact Resistance Variation | 3 % or 3 ohms max.<br>(whichever is greater)      |
| Adjustability                |                                                   |
| Voltage                      | ±0.05 %                                           |
| Resistance                   | ±0.1 %                                            |
| Resolution                   | Infinite                                          |
| Insulation Resistance        | 500 vdc.<br>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†                                                                      |
| Humidity                      | MIL-STD-202 Method 103<br>96 hours<br>(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<br>(3 % ΔTR; 3 % or 3 ohms,<br>whichever is greater, CRV) |
| Rotational Life               | 200 cycles<br>(3 % ΔTR; 3 % or 3 ohms,<br>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<br>trademark, resistance code,<br>wiring diagram, date<br>code, manufacturer's<br>model number and style |
| Wiper              | 50 % (Actual TR) ±10 %                                                                                                  |
| Flammability       | U.L.94V-0                                                                                                               |
| Standard Packaging | 50 pcs. per tube                                                                                                        |
| Adjustment Tool    | H-90                                                                                                                    |

REV. 10/14

\*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex.

“Trimpot” is a registered trademark of Bourns, Inc.

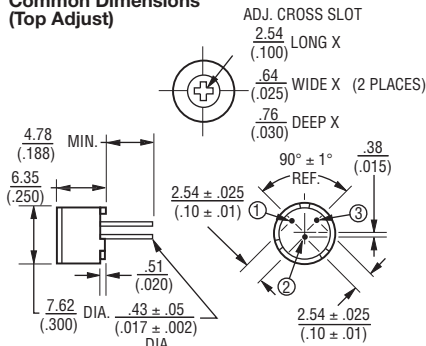
†“Fluorinert” is a registered trademark of 3M Co.

Specifications are subject to change without notice.

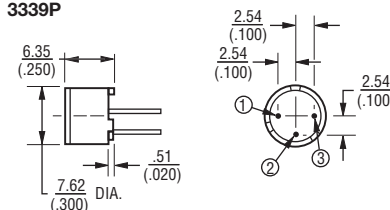
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

### Product Dimensions

#### 3339H Common Dimensions (Top Adjust)

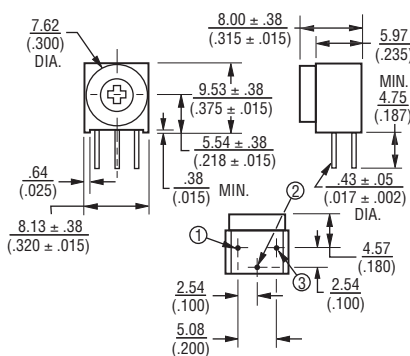


#### 3339P

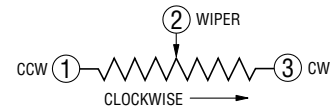
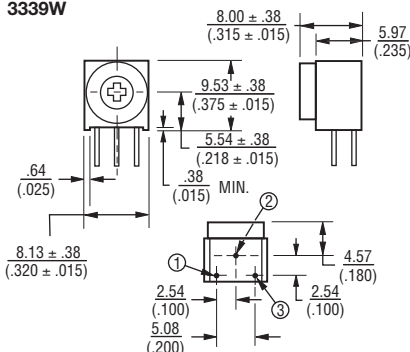


#### 3339S

#### Common Dimensions (Side Adjust)



#### 3339W



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

TOLERANCES: ±  $\frac{0.25}{(.010)}$  EXCEPT WHERE NOTED

### 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             |
| 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             |

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