



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
(see standard resistance table)

Resistance Tolerance $\pm 10\%$ 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 $\pm 0.05\%$
Resistance $\pm 0.1\%$

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†
Humidity MIL-STD-202 Method 103
96 hours
(3 % Δ TR, 10 Megohms IR)

Vibration 30 G (1 % Δ TR; 1 % Δ VR)

Shock 100 G (1 % Δ TR; 1 % Δ VR)

Load Life .. 1,000 hours 0.5 watt @ 85 °C
(3 % Δ TR; 3 % or 3 ohms, whichever is greater, CRV)

Rotational Life 200 cycles
(3 % Δ TR; 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) $\pm 10\%$

Flammability U.L.94V-0

Standard Packaging 50 pcs. per tube

Adjustment Tool H-90

REV. 07/11

*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex.
"Trimpot" is a registered trademark of Bourns, Inc.

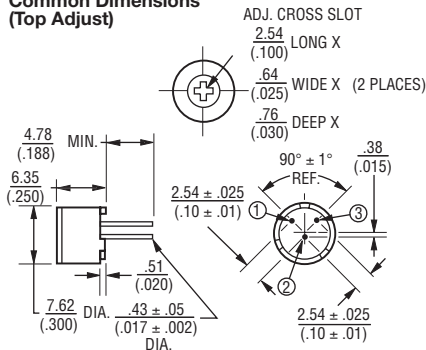
†"Fluorinert" is a registered trademark of 3M Co.

Specifications are subject to change without notice.

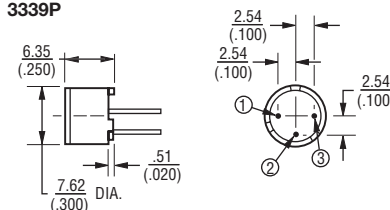
Customers should verify actual device performance in their specific applications.

Product Dimensions

3339H Common Dimensions (Top Adjust)

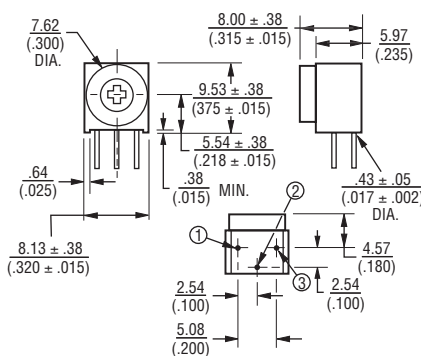


3339P

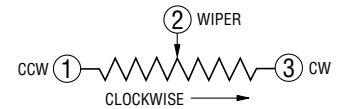
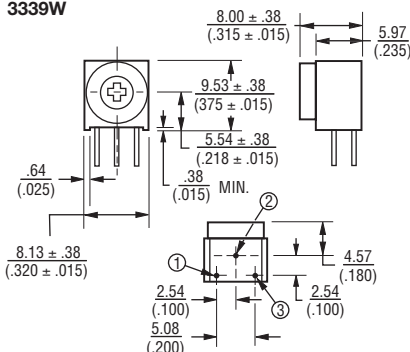


3339S

Common Dimensions (Side Adjust)



3339W



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

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

How To Order

Model **3339 H - 1 - 103 LF**

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.