

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	±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†
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

REV. 11/15

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

"Trimpot" is a registered trademark of Bourns, Inc.

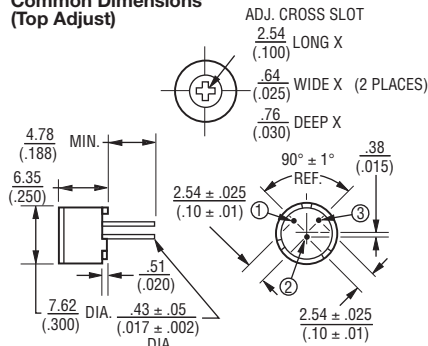
†"Fluorinert" is a registered trademark of 3M Co.

Specifications are subject to change without notice.

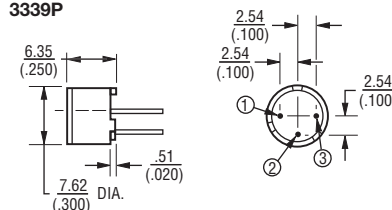
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

Product Dimensions

3339H Common Dimensions (Top Adjust)

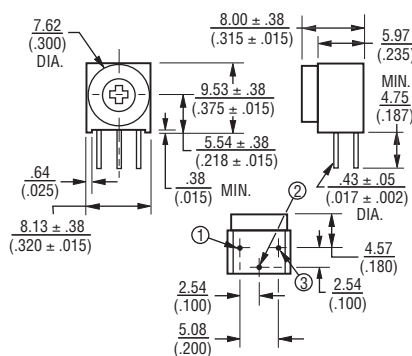


3339P

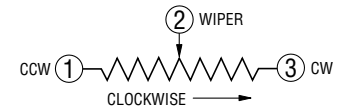
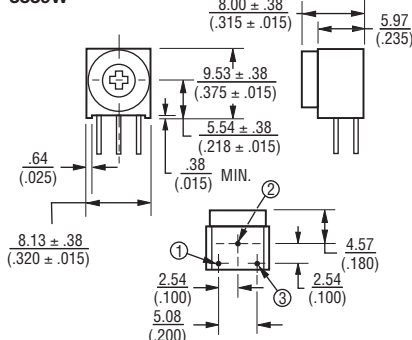


3339S

Common Dimensions (Side Adjust)



3339W



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

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bourns:

[3339H-1-104](#) [3339H-1-102](#) [3339H-1-100](#) [3339H-1-103](#) [3339H-1-101](#) [3339H-1-105](#) [3339P-1-203](#) [3339W-1-201](#)
[3339P-1-222](#) [3339S-1-201](#) [3339P-1-224](#) [3339P-1-223](#) [3339S-1-203](#) [3339W-1-203](#) [3339S-1-200](#) [3339S-1-253](#)
[3339W-1-204](#) [3339P-1-202](#) [3339W-1-202](#) [3339P-1-200](#) [3339P-1-253](#) [3339S-1-204](#) [3339S-1-202](#) [3339P-1-254](#)
[3339P-1-204](#) [3339W-1-200](#) [3339S-1-254](#) [3339P-1-201](#) [3339P-1-252](#) [3339H-1-204](#) [3339H-1-200](#) [3339H-1-201](#)
[3339H-1-203](#) [3339H-1-202](#) [3339H-1-253](#) [3339H-1-101LF](#) [3339H-1-103LF](#) [3339H-1-104LF](#) [3339H-1-201LF](#) [3339H-](#)
[1-202LF](#) [3339H-1-203LF](#) [3339H-1-204LF](#) [3339H-1-502LF](#) [3339H-1-503LF](#) [3339H-1-504LF](#) [3339P-1-100LF](#) [3339P-](#)
[1-101LF](#) [3339P-1-102LF](#) [3339P-1-103LF](#) [3339P-1-104LF](#) [3339P-1-105LF](#) [3339P-1-201LF](#) [3339P-1-202LF](#) [3339P-](#)
[1-203LF](#) [3339P-1-204LF](#) [3339P-1-500LF](#) [3339P-1-501LF](#) [3339P-1-502LF](#) [3339P-1-503LF](#) [3339P-1-504LF](#) [3339S-](#)
[1-102LF](#) [3339S-1-103LF](#) [3339S-1-104LF](#) [3339W-1-102LF](#) [3339W-1-103LF](#) [3339W-1-104LF](#) [3339W-1-202LF](#)
[3339W-1-203LF](#) [3339W-1-500LF](#) [3339W-1-501LF](#) [3339W-1-502LF](#) [3339W-1-503LF](#) [3339W-1-502](#) [3339S-1-502](#)
[3339S-1-500](#) [3339P-1-504](#) [3339W-1-500](#) [3339W-1-501](#) [3339S-1-503](#) [3339W-1-504](#) [3339W-1-503](#) [3339P-1-503](#)
[3339P-1-502](#) [3339P-1-500](#) [3339S-1-501](#) [3339P-1-501](#) [3339H-1-503](#) [3339H-1-502](#) [3339H-1-504](#) [3339H-1-500](#)
[3339H-1-501](#) [3339P-1-474](#) [3339P-1-472](#) [3339S-1-104](#) [3339W-1-104](#) [3339P-1-100](#) [3339P-1-101](#) [3339W-1-105](#)
[3339P-1-104](#) [3339W-1-102](#)