

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 Range10 to 1 megohm
 (see standard resistance table)
 Resistance Tolerance±10 % std.
 (tighter tolerance available)
 Absolute Minimum Resistance1 % or 2 ohms max.
 (whichever is greater)
 Contact Resistance Variation3 % or 3 ohms max.
 (whichever is greater)
 Adjustability
 Voltage±0.05 %
 Resistance±0.1 %
 Resolution.....Infinite
 Insulation Resistance500 vdc.
 1,000 megohms min.
 Dielectric Strength
 Sea Level600 vac
 80,000 Feet250 vac
 Effective Travel.....4 turns nom.

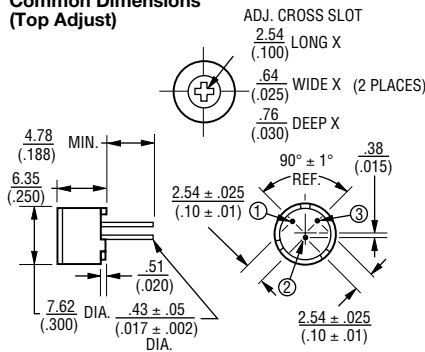
Environmental Characteristics

Power Rating (300 volts max.)
 85 °C0.5 watt
 150 °C0 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 Life1,000 hours 0.5 watt @ 85 °C
 (3 % ΔTR; 3 % or 3 ohms, whichever is greater, CRV)
 Rotational Life200 cycles
 (3 % ΔTR; 3 % or 3 ohms, whichever is greater, CRV)

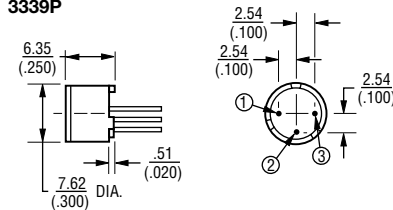
Physical Characteristics

Torque3 oz-in. max.
 Mechanical Stops.....Wiper idles
 TerminalsSolderable pins
 Weight0.02 oz.
 MarkingManufacturer'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 Packaging50 pcs. per tube
 Adjustment ToolH-90

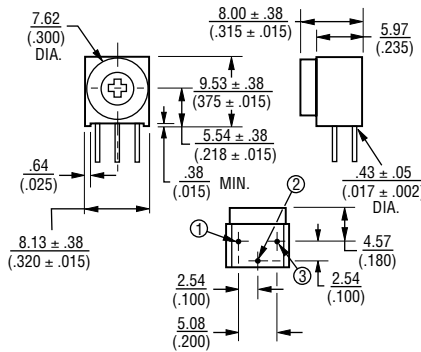
3339H Common Dimensions (Top Adjust)



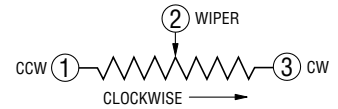
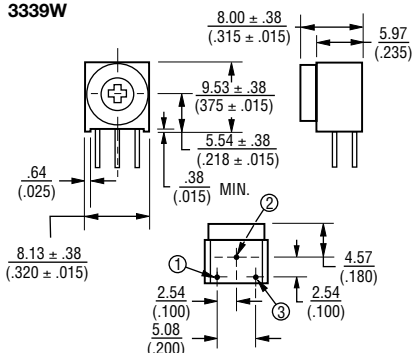
3339P



3339S Common Dimensions (Side Adjust)



3339W



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
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.