

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.

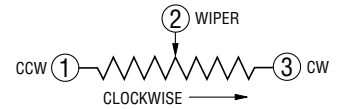
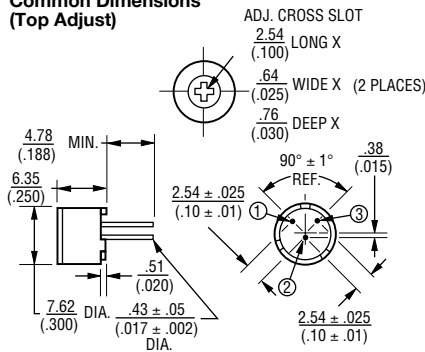
Environmental Characteristics

Power Rating (300 volts max.)
 85 °C0.5 watt
 150 °C0 watt
 Temperature Range-55 °C to +150 °C
 Temperature Coefficient±10 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)



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

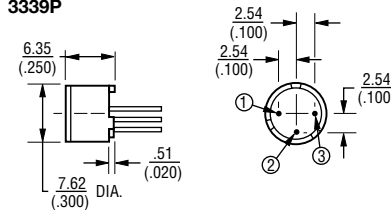
DIMENSIONS ARE: $\frac{\text{MM}}{\text{(INCHES)}}$

How To Order

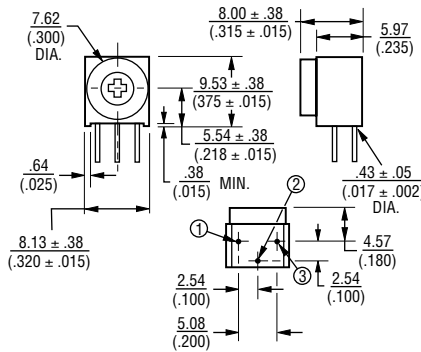
3339 H - 1 - 103 LF

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.

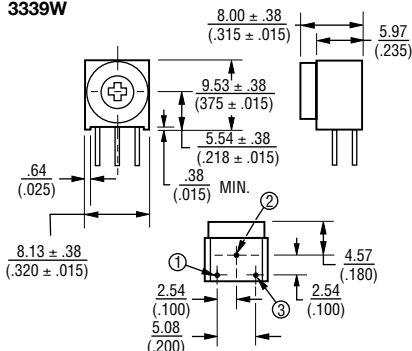
3339P Common Dimensions (Side Adjust)



3339S Common Dimensions (Side Adjust)



3339W Common Dimensions (Side Adjust)



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.