

**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 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.

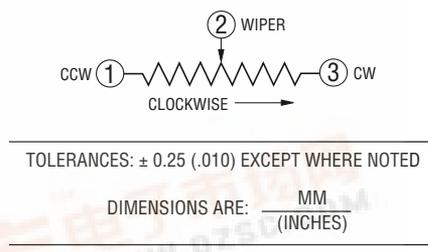
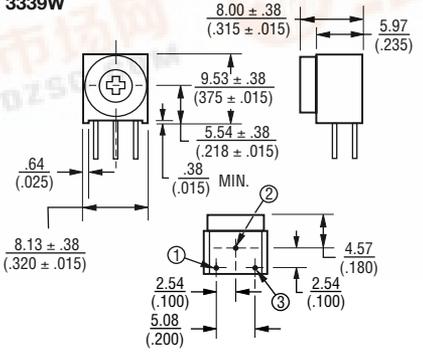
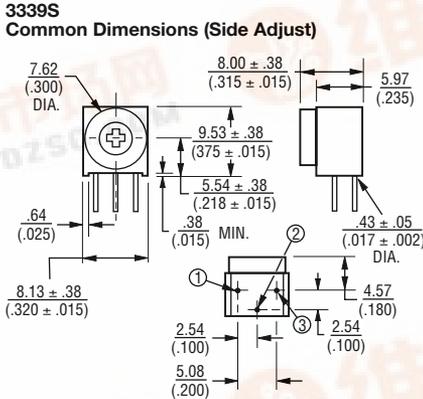
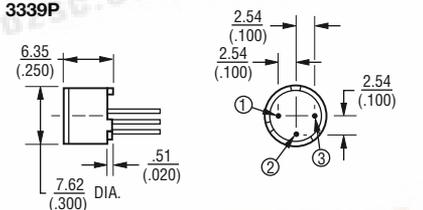
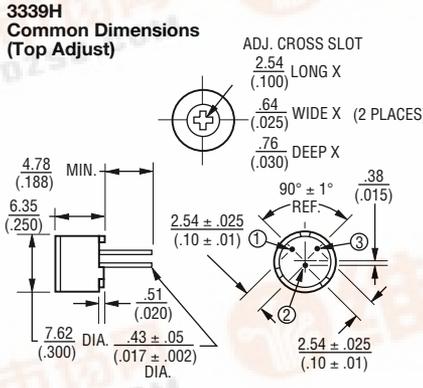
Marking .....Manufacturer's trademark, resistance code, wiring diagram, date code, manufacturer's model number and style

Wiper.....50 % (Actual TR) ±10 %

Flammability .....U.L.94V-0

Standard Packaging .....50 pcs. per tube

Adjustment Tool .....H-90



**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
<b>100</b>	<b>101</b>
<b>200</b>	<b>201</b>
<b>500</b>	<b>501</b>
<b>1,000</b>	<b>102</b>
<b>2,000</b>	<b>202</b>
<b>5,000</b>	<b>502</b>
<b>10,000</b>	<b>103</b>
<b>20,000</b>	<b>203</b>
<b>25,000</b>	<b>253</b>
<b>50,000</b>	<b>503</b>
<b>100,000</b>	<b>104</b>
200,000	204
250,000	254
500,000	504
1,000,000	105

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

