



## Features

- 1/4" Round / Single-Turn / Cermet Industrial / Sealed
- 5 standard terminal styles
- Tape and reel packaging available
- [Listed on the QPL](#) for style [RJ50](#) per MIL-PRF-22097 and [BJR50](#) per High-Rel MIL-PRF-39035

■ RoHS compliant\* version available

## 3329 - 1/4" Round Trimming Potentiometer

### Electrical Characteristics

Standard Resistance Range	10 to 1 megohm (see standard resistance table)
Resistance Tolerance	±10 % std. (closer tolerance available)
Absolute Minimum Resistance	1 % or 2 ohms (whichever is greater)
Contact Resistance Variation	3.0 % or 3 ohms max. (whichever is greater)
Adjustability	
Voltage	±0.05 %
Resistance	±0.15 %
Resolution	Infinite
Insulation Resistance	500 vdc. 1,000 megohms min.
Dielectric Strength	
Sea Level	600 vac
80,000 Feet	250 vac
Adjustment Angle	240° nom.

### Environmental Characteristics

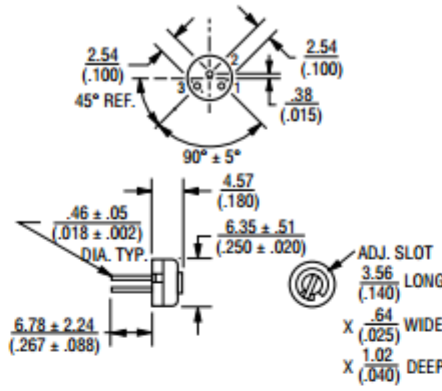
Power Rating @ 85 °C (300 volts max.)	0.5 watt
Power Rating @ 150 °C	0 watt
Temperature Range	-55 °C to +150 °C
Temperature Coefficient	±100 ppm/°C
Seal Test	85 °C Fluorinert <sup>®</sup>
Humidity	MIL-STD-202 Method 106 96 hours (3 % ΔTR, 10 Megohms IR)
Vibration	30 G (1 % ΔTR; 1 % ΔVR) except "P" pin style
Shock	100 G (1 % ΔTR; 1 % ΔVR)
Load Life	1,000 hours 0.5 watt @ 85 °C (3 % ΔTR; 3 % CRV)
Rotational Life	200 cycles (4 % ΔTR; 4 % CRV)

### Physical Characteristics

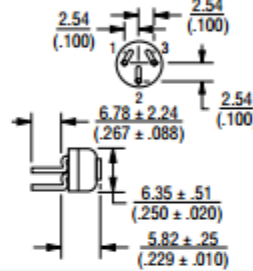
Mechanical Angle	260° nom.
Torque	5.0 oz-in. max.
Stop Strength	5.0 oz-in. min.
Terminals	Solderable pins
Weight	0.02 oz.
Marking	Manufacturer's trademark, resistance code, date code, manufacturer's model number and style
Wiper	50 % (Actual TR) ±10 %
Standard Packaging	50 pcs. per tube
Adjustment Tool	H-90

### Product Dimensions

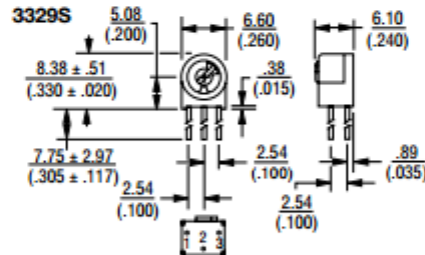
#### 3329H



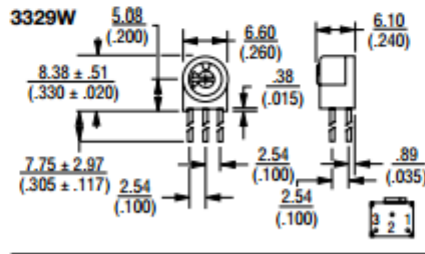
#### 3329P



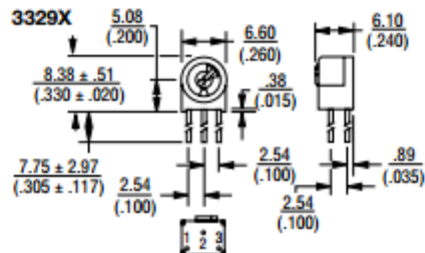
#### 3329S



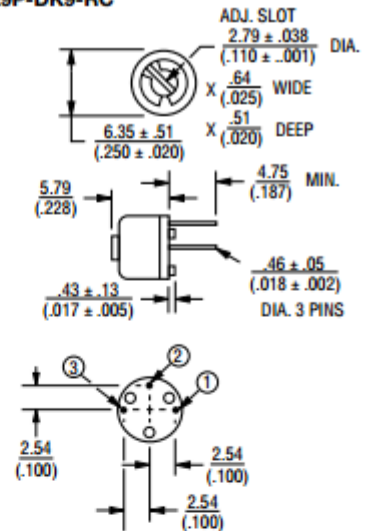
#### 3329W



#### 3329X

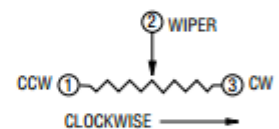


#### 3329P-DK9-RC



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

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



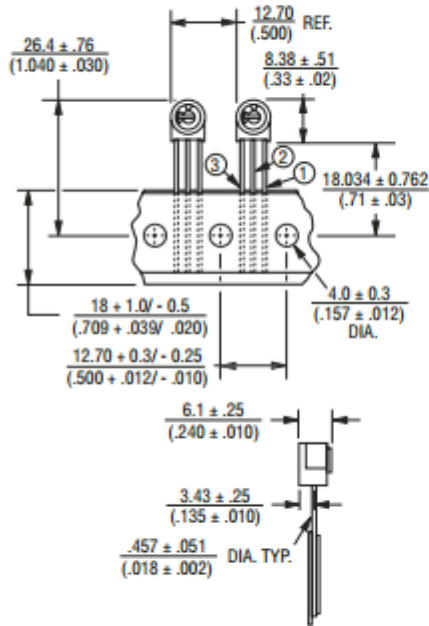
### How To Order

Model	3329 M - 1 - 103	LF
Style		
Standard or Modified Product Indicator	-1 = Standard Product -DK9 = Plastic Spacer	
Resistance Code		
Packaging Designator	Blank = Tube (Standard) R = Tape and Reel (M and U Pin Styles Only) A = Ammo Pack (M and U Pin Styles Only)	
Terminations	LF = 100 % Tin-plated (RoHS compliant) Blank = 90 % Tin / 10 % Lead-plated (Standard)	

Consult factory for other available options.

## Packaging Specifications

### SIDE ADJUST 3329M-1

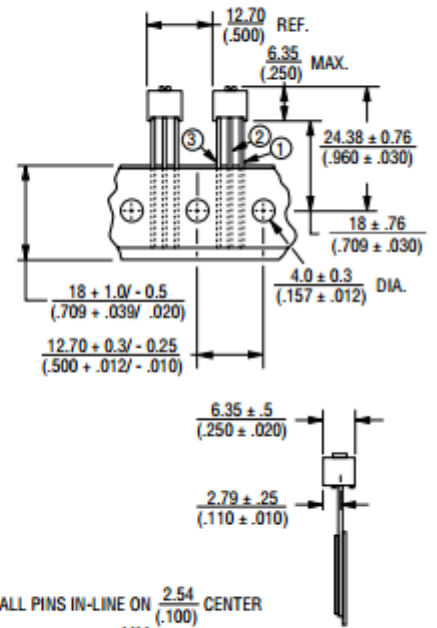


ALL PINS IN-LINE ON  $\frac{2.54}{(.100)}$  CENTER

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

1000/REEL/BOX

### TOP ADJUST 3329U-1



ALL PINS IN-LINE ON  $\frac{2.54}{(.100)}$  CENTER

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

1000/REEL/BOX

### 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.