



## 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 RJR50 per High-Rel MIL-PRF-39035

- RoHS compliant\* version available
- For trimmer applications/processing guidelines, [click here](#)

## 3329 - 1/4" Round Trimpot® Trimming Potentiometer

### Electrical Characteristics

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

### Environmental Characteristics

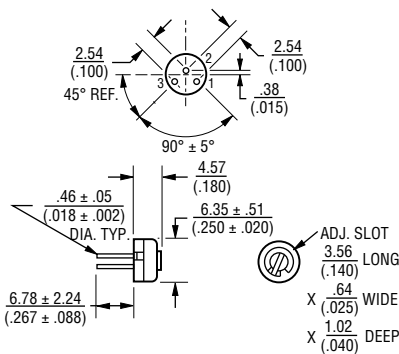
|                                       |                                                                |
|---------------------------------------|----------------------------------------------------------------|
| Power Rating @ 85 °C (300 volts max.) | 0.5 watt                                                       |
| Power Rating @ 150 °C                 | 0 watt                                                         |
| Temperature Range                     | -55 °C to +150 °C                                              |
| Temperature Coefficient               | ±100 ppm/°C                                                    |
| Seal Test                             | 85 °C Fluorinert†                                              |
| Humidity                              | MIL-STD-202 Method 103<br>96 hours<br>(3 % ΔTR, 10 Megohms IR) |
| Vibration                             | 30 G (1 % ΔTR; 1 % ΔVR)<br>except "P" pin style                |
| Shock                                 | 100 G (1 % ΔTR; 1 % ΔVR)                                       |
| Load Life                             | 1,000 hours 0.5 watt @ 85 °C<br>(3 % ΔTR; 3 % CRV)             |
| Rotational Life                       | 200 cycles<br>(4 % ΔTR; 4 % CRV)                               |

### Physical Characteristics

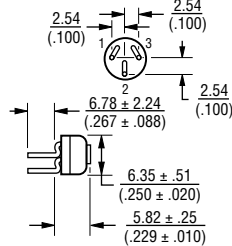
|                    |                                                                                                      |
|--------------------|------------------------------------------------------------------------------------------------------|
| Mechanical Angle   | 260° nom.                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

### Product Dimensions

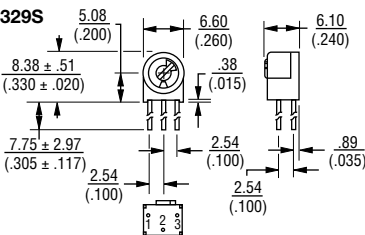
3329H



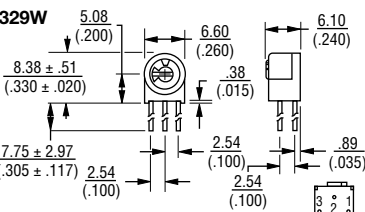
3329P



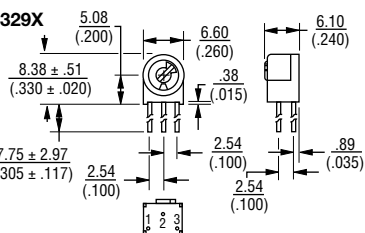
3329S



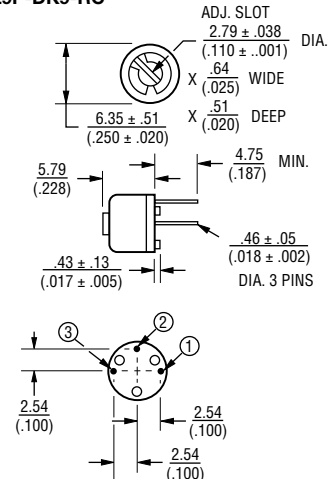
3329W



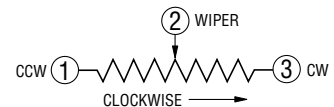
3329X



3329P-DK9-RC



DIMENSIONS:  $\frac{\text{MM}}{(\text{INCHES})}$   
TOLERANCES:  $\pm \frac{0.25}{(.010)}$  EXCEPT WHERE NOTED



### 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.

\*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

†"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.

# 3329 - 1/4 " Round Trimpot® Trimming Potentiometer

**BOURNS®**

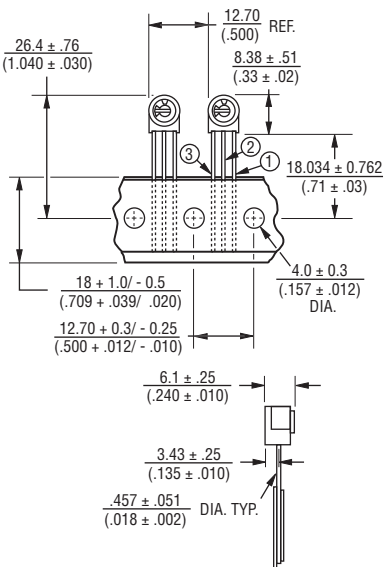
**Standard Resistance Table**

| 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.

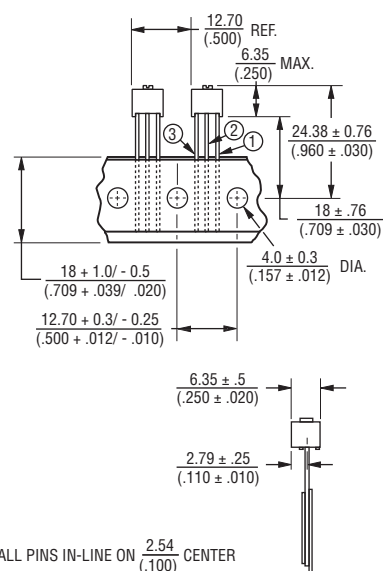
**Packaging Specifications**

**SIDE ADJUST  
3329M-1**



ALL PINS IN-LINE ON  $\frac{2.54}{(.100)}$  CENTER  
 DIMENSIONS:  $\frac{\text{MM}}{(\text{INCHES})}$   
 1000/REEL/BOX

**TOP ADJUST  
3329U-1**



ALL PINS IN-LINE ON  $\frac{2.54}{(.100)}$  CENTER  
 DIMENSIONS:  $\frac{\text{MM}}{(\text{INCHES})}$   
 1000/REEL/BOX

Meets EIA Specification 468.

REV. 07/15

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