

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 (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

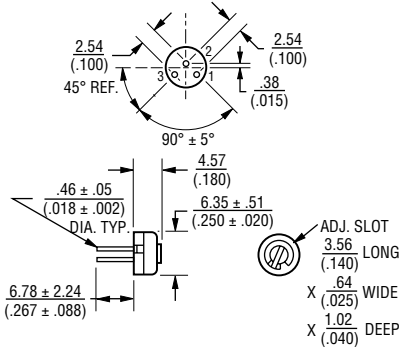
| | |
|---------------------------------------|--|
| Power Rating @ 85 °C (300 volts max.) | 0.5 watt |
| Power Rating @ 150 °C | 0 watt |
| Temperature Range | -55 °C to +150 °C |
| Temperature Coefficient | ±100 ppm/°C |
| Seal Test | 85 °C Fluorinert† |
| Humidity | MIL-STD-202 Method 106 96 hours (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

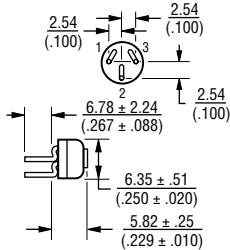
| | |
|--------------------|--|
| Mechanical Angle | 260 ° nom. |
| Torque | 5.0 oz-in. max. |
| Stop Strength | 5.0 oz-in. min. |
| Terminals | Solderable pins |
| Weight | 0.02 oz. |
| Marking | Manufacturer's trademark, resistance code, date code, manufacturer's model number and style |
| Wiper |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

Product Dimensions

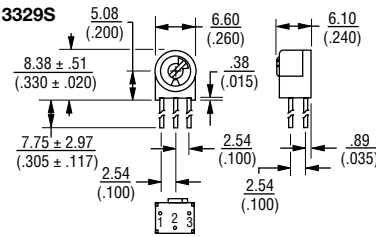
3329H



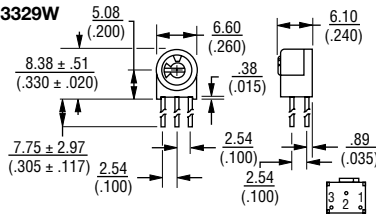
3329P



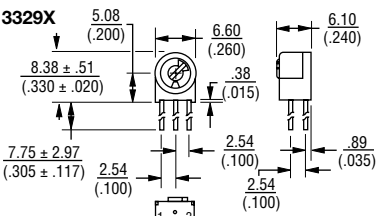
3329S



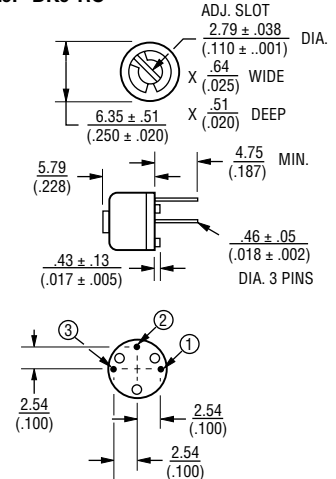
3329W



3329X

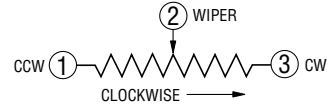


3329P-DK9-RC



DIMENSIONS: MM / (INCHES)

TOLERANCES: ± 0.25 / (.010) EXCEPT WHERE NOTED



How To Order

3329 M - 1 - 103 LF

Model _____

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.

†"Fluorinert" is a registered trademark of 3M Co.

Specifications are subject to change without notice.

Customers 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 |
| 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.

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.