



THE DATASHEET OF
3329H-1-502





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 [RJ50](#) per High-Rel MIL-PRF-39035
- RoHS compliant* version available
- For trimmer applications/processing guidelines, [click here](#)

3329 – 1/4 " Round Trimpot® Trimming Potentiometer

Additional Information

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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 103

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

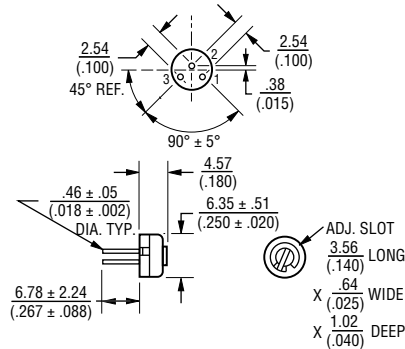
(3 % ΔTR; 3 % CRV)

Rotational Life 200 cycles

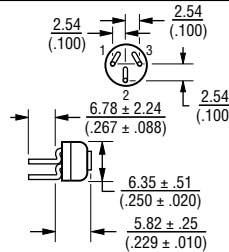
(4 % ΔTR; 4 % CRV)

Product Dimensions

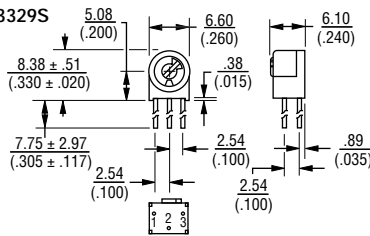
3329H



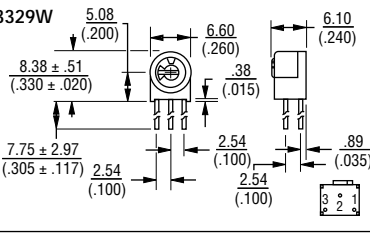
3329P



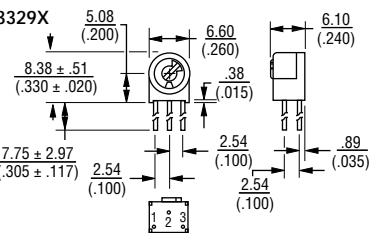
3329S



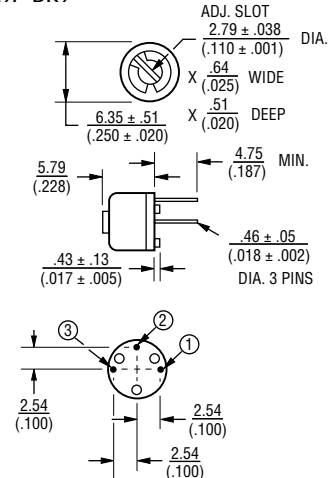
3329W



3329X

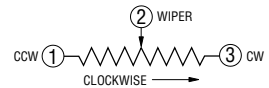


3329P-DK9



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

TOLERANCES: ± $\frac{0.25}{(.010)}$ 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 & U Pin Styles Only)
A = Ammo Pack (M & U Pin Styles Only)

Terminations _____
LF = 100 % Tin-plated (RoHS compliant)
Blank = 90 % Tin / 10 % Lead-plated (Standard)

Consult factory for other available options.

Tape and reel material meets Antistatic ANSI/ESD 5541-2003 packaging standards.

*RoHS Directive 2015/863, Mar. 31, 2015 and Annex "Trimpot" is a trademark of Bourns, Inc. †"Fluorinert" is a registered trademark of 3M Co. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.



WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

3329 – 1/4 " Round Trimpot® Trimming Potentiometer

BOURNS®

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-30

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.

BOURNS®

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REV. 08/19

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