



THE DATASHEET OF
3329H-1-503





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

Click these links for more information:



Electrical Characteristics

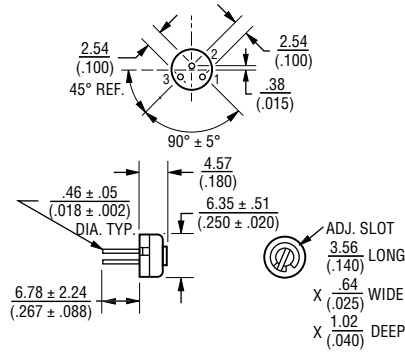
- Standard Resistance Range 10 to 1 megohm
(see standard resistance table)
- Resistance Tolerance ±10 % std.
(closer tolerance available)
- Absolute Minimum Resistance 1 % or 2 ohms
(whichever is greater)
- Contact Resistance Variation 3.0 % or 3 ohms max.
(whichever is greater)
- Adjustability
- Voltage ±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

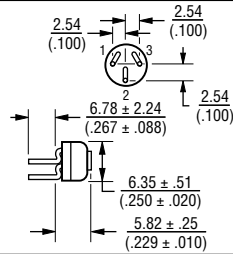
- Power Rating @ 85 °C (300 volts max.) 0.5 watt
- Power Rating @ 150 °C 0 watt
- Temperature Range -55 °C to +150 °C
- Temperature Coefficient ±100 ppm/°C
- Seal Test 85 °C Fluorinert†
- Humidity MIL-STD-202 Method 103
96 hours
(3 % ΔTR, 10 Megohms IR)
- Vibration 30 G (1 % ΔTR; 1 % ΔVR)
except "P" 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

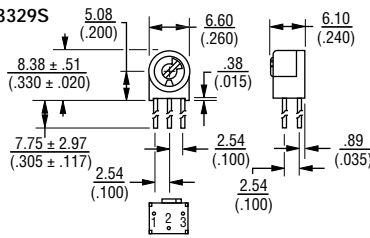
3329H



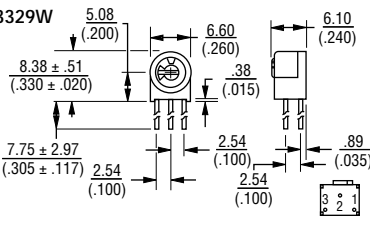
3329P



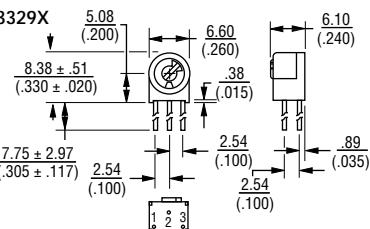
3329S



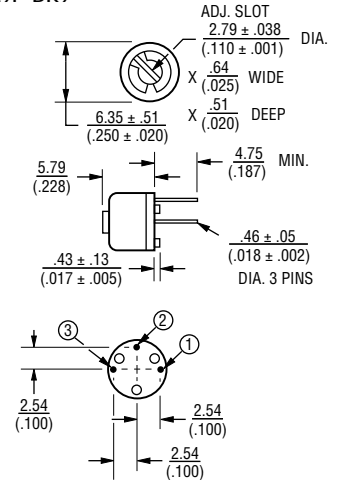
3329W



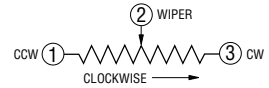
3329X



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.



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

*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.

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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