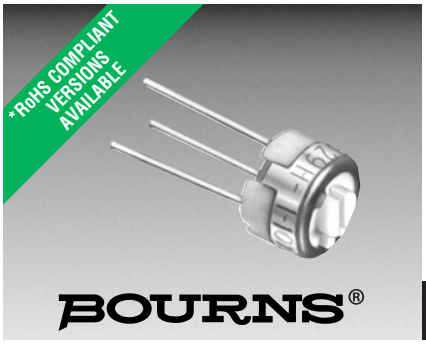


Features

- 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

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

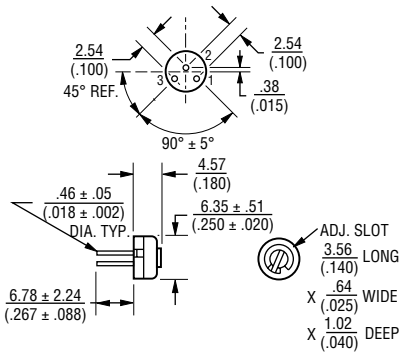
Power Rating @ 85 °C (300 volts max.)
.....0.5 watt
Power Rating @ 150 °C.....0 watt
Temperature Range ....-55 °C to +150 °C
Temperature Coefficient ....±100 ppm/°C
Seal Test.....85 °C Fluorinert†
Humidity.....MIL-STD-202 Method 106
96 hours
(3 % ΔTR, 10 Megohms IR)
Vibration.....30 G (1 % ΔTR; 1 % ΔVR)
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

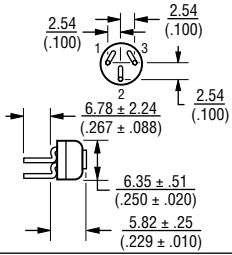
Mechanical Angle .....260 ° nom.
Torque .....5.0 oz-in. max.
Stop Strength .....5.0 oz -in. min.
Terminals .....Solderable pins
Weight .....0.02 oz.
Marking .....Manufacturer's trademark,
resistance code, date code,
manufacturer's model number
and style
Wiper.....50 % (Actual TR) ±10 %
Standard Packaging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

Product Dimensions

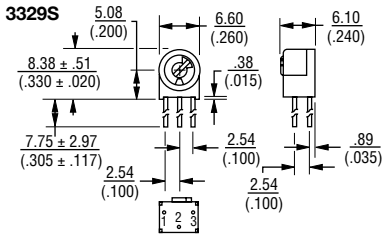
3329H



3329P



3329S



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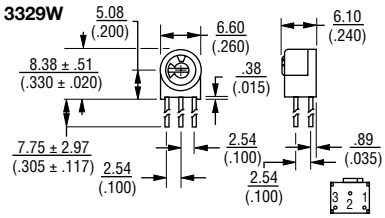
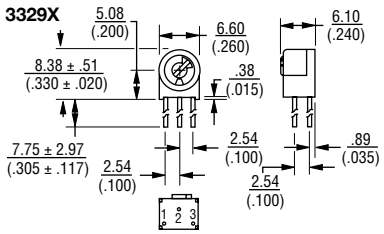
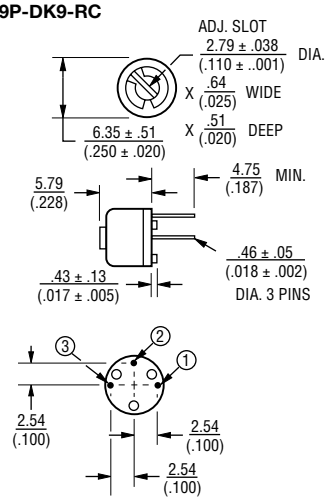


3329X

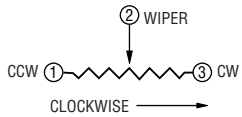


3329P-DK9-RC



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

DIMENSIONS ARE: MM / (INCHES)



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 Trimming Potentiometer

BOURNS®

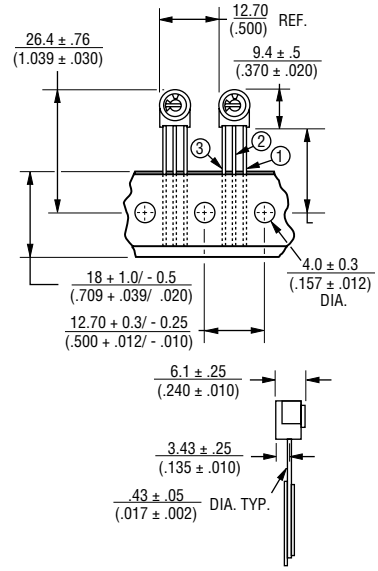
Standard Resistance Table

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

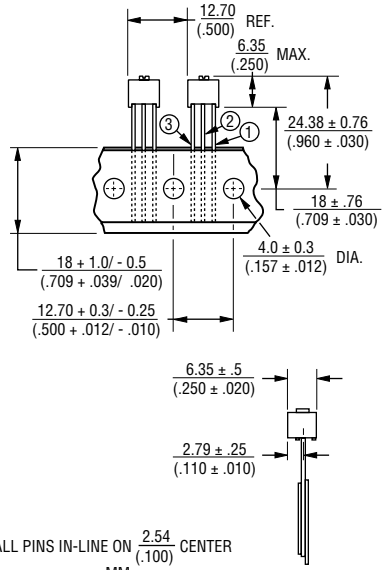


ALL PINS IN-LINE ON 2.54 (.100) CENTER

DIMENSIONS: MM (INCHES)

1000/REEL/BOX

TOP ADJUST
3329U-1



ALL PINS IN-LINE ON 2.54 (.100) CENTER

DIMENSIONS: MM (INCHES)

1000/REEL/BOX

Meets EIA Specification 468.