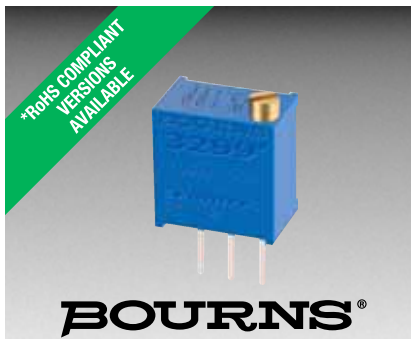




Features

- 3/8" Square / Multiturn / Cermet / Industrial / Sealed
- Five popular terminal styles
- Standoffs
- RoHS compliant* version available
- For trimmer applications/processing guidelines, [click here](#)

3299 – 3/8" Square Trimpot® Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range	10 to 2 megohms (see standard resistance table)
Resistance Tolerance	±10 % std. (tighter tolerance available)
Absolute Minimum Resistance	1 % or 2 ohms max. (whichever is greater)
Contact Resistance Variation	1.0 % or 3 ohms max. (whichever is greater)
Adjustability	
Voltage	±0.01 %
Resistance	±0.05 %
Resolution	Infinite
Insulation Resistance	500 VDC 1,000 megohms min.
Dielectric Strength	
Sea Level	900 VAC
70,000 Feet	350 VAC
Effective Travel	25 turns nom.

Environmental Characteristics

Power Rating (300 volts max.)	
70 °C	0.5 watt
125 °C	0 watt
Temperature Range	-55 °C to +125 °C
Temperature Coefficient	±100 PPM/°C
Seal Test	85 °C
Humidity	MIL-STD-202 Method 103 96 hours (2 % ΔTR, 10 Megohms IR)
Vibration	20 G (1 % ΔTR; 1 % ΔVR)
Shock	100 G (1 % ΔTR; 1 % ΔVR)
Load Life	
1,000 hours	0.5 watt @ 70 °C (3 % ΔTR; 3 % or 3 ohms, whichever is greater, CRV)
Rotational Life	200 cycles (4 % ΔTR; 3 % or 3 ohms, whichever is greater, CRV)

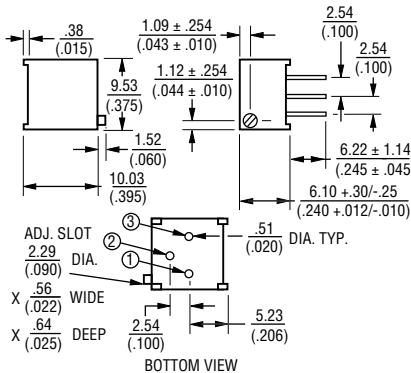
Physical Characteristics

Torque	3.0 oz-in. max.
Mechanical Stops	Wiper idles
Terminals	Solderable pins
Weight	0.035 oz.
Marking	Manufacturer's trademark, resistance code, wiring diagram, date code, manufacturer's model number and style
Wiper	50 % (Actual TR) ±10 %
Flammability	U.L. 94V-0
Standard Packaging	50 pcs. per tube
Adjustment Tool	H-90

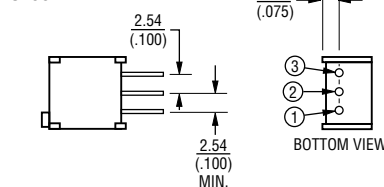
Product Dimensions

3299P

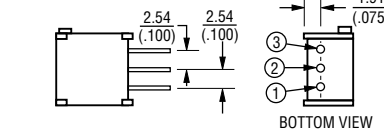
Common Dimensions



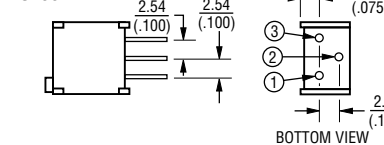
3299W



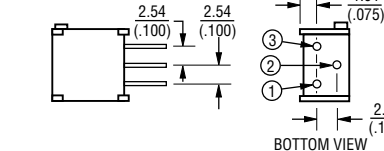
3299X



3299Y

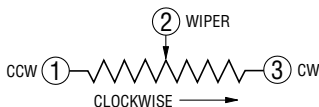


3299Z



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

TOLERANCES: ± 0.25 (0.010) EXCEPT WHERE NOTED



Additional Information

Click these links for more information:



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
2,000,000	205

Popular distribution resistance values listed in **boldface**. Special resistances available.

How To Order

Model 3299 W - 1 - 103 LF

Style _____

Standard or Modified _____

Product Indicator _____
-1 = Standard Product

Resistance Code _____

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

Consult factory for other available options.



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

REV. 06/24

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