

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 Range10 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 Resistance500 vdc. 1,000 megohms min.

Dielectric Strength

Sea Level...... 900 vac 70,000 Feet350 vac Effective Travel25 turns nom.

Environmental Characteristics

Power Rating (300 volts max.) 70 °C0.5 watt

125 °C 0 watt Temperature Range ... -55 °C to +125 °C Temperature Coefficient ... ±100 ppm/°C Seal Test85 °C Fluorinert† HumidityMIL-STD-202 Method 103

96 hours

(2 % Δ TR, 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 Life200 cycles

(4 % ΔTR; 3 % or 3 ohms,

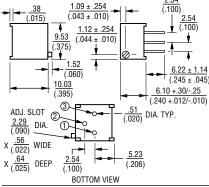
whichever is greater, CRV)

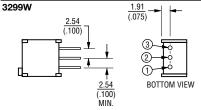
Physical Characteristics
Torque3.0 oz-in. max.
Mechanical StopsWiper idles
TerminalsSolderable pins
Weight 0.035 oz.
MarkingManufacturer's
trademark, resistance code,
wiring diagram, date code,
manufacturer's model
number and style
Wiper50 % (Actual TR) ±10 %
FlammabilityU.L. 94V-0
Standard Packaging50 pcs. per tube
Adjustment ToolH-90

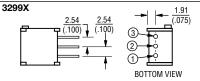
Product Dimensions

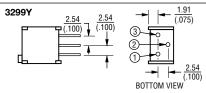
3299P

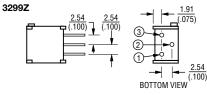
Common Dimensions

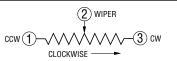












DIMENSIONS:

TOLERANCES: ± (.010)

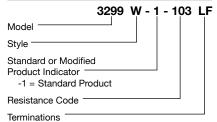
EXCEPT WHERE NOTED

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



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. 11/16

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*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

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