

#### **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 70,000 Feet ...... 350 vac Effective Travel ......25 turns nom.

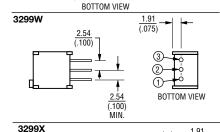
### **Environmental Characteristics**

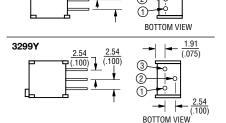
Power Rating (300 volts max.) 70 °C ......0.5 watt 125 °C ......0 watt Temperature Range ... -55 °C to +125 °C Temperature Coefficient ... ±100 ppm/°C Seal Test ......85 °C Fluorinert† Humidity ......MIL-STD-202 Method 103 96 hours (2 %  $\Delta$ TR, 10 Megohms IR) Vibration ...... 20 G (1 % ΔTR; 1 % ΔVR) Shock ....... 100 G (1 % ΔTR; 1 % ΔVR) Load Life .....1,000 hours 0.5 watt @ 70 °C

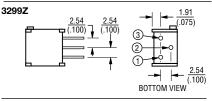
(3 %  $\Delta$ TR; 3 % or 3 ohms, whichever is greater, CRV) Rotational Life ......200 cycles (4 % ΔTR; 3 % or 3 ohms, whichever is greater, CRV)

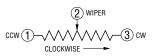
Physical Characteristics	
Torque3.0 oz-in. m	ax.
Mechanical StopsWiper ic	
TerminalsSolderable p	ins
Weight 0.035	oz.
MarkingManufacture	er's
trademark, resistance co	de,
wiring diagram, date co	de,
manufacturer's mo	del
number and st	yle
Wiper50 % (Actual TR) ±10	1%
FlammabilityU.L. 94	
Standard Packaging50 pcs. per tu	ıbe
Adjustment ToolH	-90

Product Dimensions
3299P Common Dimensions
38









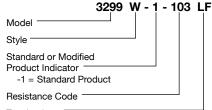
DIMENSIONS:	MM (INCHES)
TOLERANCES: ± 0.25 (.010)	EXCEPT WHERE NOTED

### **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**



Terminations

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. 08/19

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