

### **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 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 % ΔTR; 3 % or 3 ohms,

whichever is greater, CRV) Rotational Life ......200 cycles

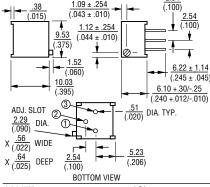
(4 % ΔTR; 3 % or 3 ohms, whichever is greater, CRV)

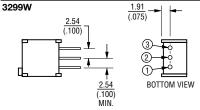
<b>Physical Characte</b>	ristics
Torque	3.0 oz-in. max.
Mechanical Stops	
Terminals	
Weight	
Marking	Manufacturer's
tradema	rk, resistance code,
wiring o	diagram, date code,
m	anufacturer's model
	number and style
Wiper50 %	
Flammability	U.L. 94V-0
Standard Packaging	50 pcs. per tube
Adjustment Tool	H-90

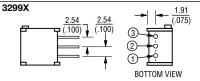
### **Product Dimensions**

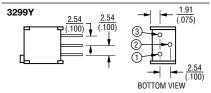
3299P

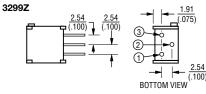
**Common Dimensions** 

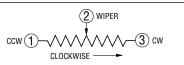












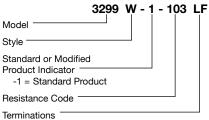
DIMEN	SIONS:	MM (INCHES)
TOLERANCES: ± -	0.25 (.010)	EXCEPT WHERE NOTED

#### **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**



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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