

#### **Features**

- Stable, infinite resolution cermet element
- Vertical and horizontal adjust styles
- Optional packaging on embossed tape
- Compatible with surface mount manufacturing processes
- RoHS compliant\* see processing information on RoHS compliant surface mount trimmers
- For trimmer applications/processing guidelines, click here

# 3269 - 1/4 " Square SMD Trimpot® Trimming Potentiometer

#### **Electrical Characteristics**

Standard Resistance Range .....10 ohms to 1 megohm (see standard resistance table) Resistance Tolerance .....±10 % std. (closer tolerance available) Absolute Minimum Resistance ......1 % or 2 ohms max. (whichever is greater) Contact Resistance Variation ...... 3.0 % or 3 ohms max. (whichever is greater) Adjustability Voltage Divider ..... ±0.02 % Rheostat.....±0.05 % Resolution ...... Infinite Insulation Resistance ......500 vdc. 1,000 megohms min. Dielectric Strength Sea Level...... 600 vac 80,000 Feet ......250 vac

#### **Environmental Characteristics**

Effective Travel ......12 turns nom.

Power Rating (300 volts max.) 150 °C ......0 watt Temperature Range ... -65 °C to +150 °C Temperature Coefficient ... ±100 ppm/°C Seal Test ......85 °C Fluorinert† Humidity ......MIL-STD-202 Method 106 (2 %  $\Delta$ TR; IR 100 Megohms) Vibration ...... 30 G (1 % ΔTR; 1 % ΔVR) Shock ....... 100 G (1 % ΔTR; 1 % ΔVR) Load Life .. 1,000 hours 0.25 watt @ 85 °C (3 % ΔTR; 3 % or 3 ohms whichever is greater, CRV) Rotational Life ......200 cycles (2 % ΔTR; 3 % or 3 ohms,

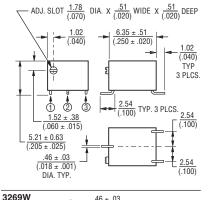
whichever is greater, CRV)

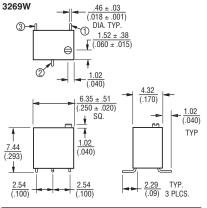
## **Physical Characteristics**

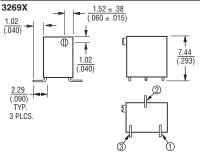
Torque......2.5 oz-in. max. Mechanical Stops......Wiper idles Terminals ......Solderable pins Weight ......0.015 oz. Marking......Manufacturer's trademark, resistance code, wiring diagram, date code, manufacturer's model number and style Standard Packaging ..... (MSL-2) 50 pcs. per tube Adjustment Tool......H-90 Wiper ...... 50 % (Actual TR) ±10 %

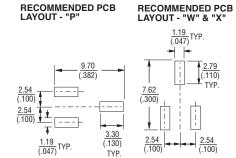
# **Product Dimensions**

3269P Common Dimensions

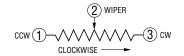






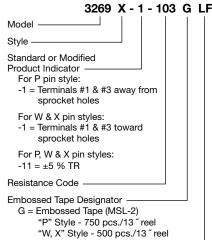


RECOMMENDED PCB



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

#### **How To Order**



Terminations

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

## **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 values listed in boldface. Special resistances available.

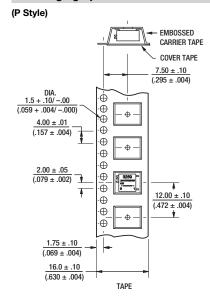
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

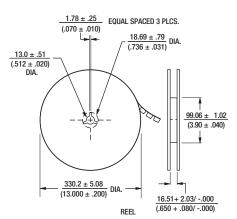
<sup>\*</sup>RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. †"Fluorinert" is a registered trademark of 3M Co. Specifications are subject to change without notice.

# 3269 - Packaging Specifications

## **BOURNS**®

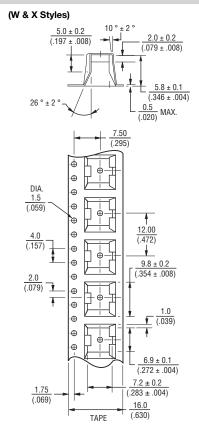
### **Packaging Specifications**

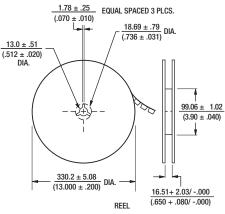




-1 as shown meets EIA Specification 481. Units packaged 750 pieces per reel.

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





-2 as shown meets EIA Specification 481. Units packaged 500 pieces per reel.

REV. 09/13