

#### **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

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

**Environmental Characteristics** Power Rating (300 volts max.) 85 °C ......0.25 watt 150 °C ...... 0 watt Temperature Range ... -65 °C to +150 °C Temperature Coefficient ... ±100 ppm/°C Seal Test..85 °C Fluorinert 1/60 seconds 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)

#### Dhysical Characteristics

Physical Characteristics
Torque2.5 oz-in. max. Mechanical StopsWiper idles
TerminalsSolderable pins
Weight0.015 oz.
MarkingManufacturer's
trademark, resistance code,
wiring diagram, date code, manufacturer's model
number and style
Standard Packaging(MSL-2) 50 pcs. per tube
Adjustment ToolH-90 Wiper50 % (Actual TR) ±10 %

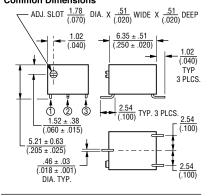
\*RoHS Directive 2015/863, Mar. 31, 2015 and Annex "Trimpot" is a trademark of Bourns, Inc.

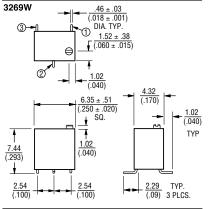
†"Fluorinert" is a registered trademark of 3M Co.

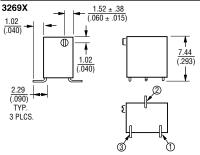
### WARNING Cancer and **Reproductive Harm** www.P65Warnings.ca.gov

### **Product Dimensions**

#### 3269P Common Dimensions

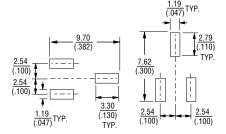


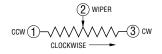




# RECOMMENDED PCB LAYOUT - "P"

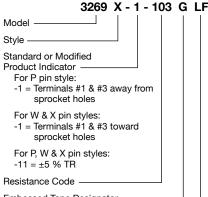
# **RECOMMENDED PCB**





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

### **How To Order**



Embossed Tape Designator

G = Embossed Tape (MSL-2) "P" Style - 750 pcs./13 " reel "W, X" Style - 500 pcs./13 " reel

Tape and reel material meets Antistatic ANSI/ESD 5541-2003 packaging standards.

#### Terminations

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

#### **Standard Resistance Table**

Resistance	Resistance
(Ohms)	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

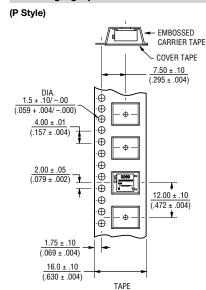
Popular distribution values listed in boldface. Special resistances available.

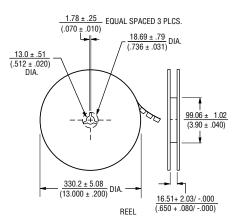
Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

# 3269 - Packaging Specifications

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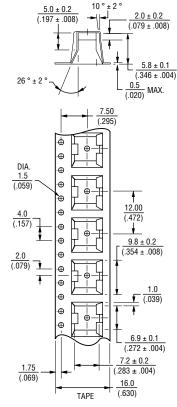
### **Packaging Specifications**

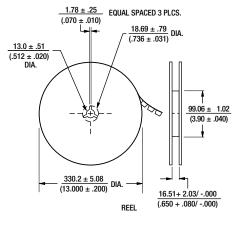




-1 as shown meets EIA Specification 481. Units packaged 750 pieces per reel.

### (W & X Styles)





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

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