



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 lead free surface mount trimmers

3269 - 1/4 " Square SMD Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range10 ohms to 1 megohm (see standard resistance table)

Resistance Tolerance±10 % std. (closer tolerance available)

Absolute Minimum Resistance1 % or 2 ohms max. (whichever is greater)

Contact Resistance Variation3.0 % or 3 ohms max. (whichever is greater)

Adjustability

Voltage±0.02 %

Resistance±0.05 %

ResolutionInfinite

Insulation Resistance500 vdc. 1,000 megohms min.

Dielectric Strength

Sea Level600 vac

80,000 Feet250 vac

Effective Travel12 turns nom.

Environmental Characteristics

Power Rating (300 volts max.)

85 °C0.25 watt

150 °C0 watt

Temperature Range-65 °C to +150 °C

Temperature Coefficient±100 ppm/°C

Seal Test85 °C Fluorinert[†]

HumidityMIL-STD-202 Method 106 (2 % ΔTR; IR 100 Megohms)

Vibration30 G (1 % ΔTR; 1 % ΔVR)

Shock100 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 Life200 cycles (2 % ΔTR; 3 % or 3 ohms, whichever is greater, CRV)

Physical Characteristics

Torque3.0 oz-in. max.

Mechanical StopsWiper idles

TerminalsSolderable pins

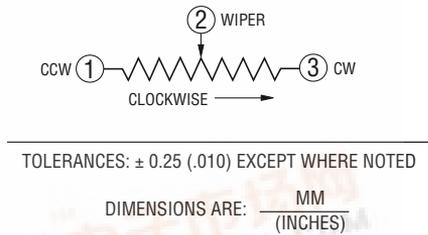
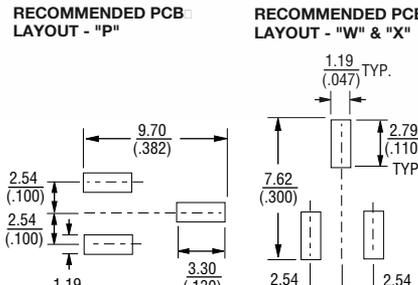
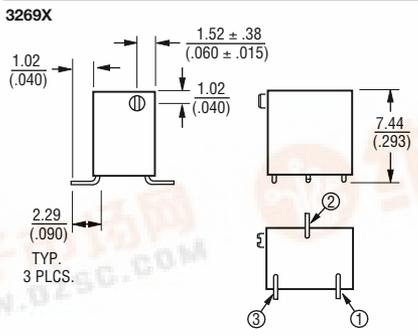
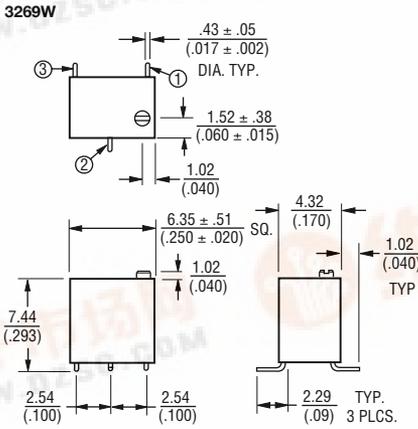
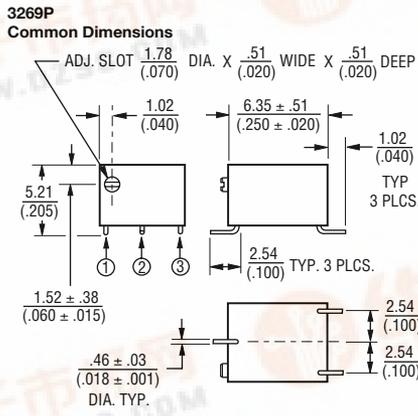
Weight0.015 oz.

MarkingManufacturer's trademark, resistance code, wiring diagram, date code, manufacturer's model number and style

Standard Packaging50 pcs. per tube

Adjustment ToolH-90

Wiper50 % (Actual TR) ±10 %



How To Order

3269 X - 1 - 103 G LF

Model _____

Style _____

Standard or Modified Product Indicator _____

For P pin style:

- 1 = Terminals #1 & #3 away from sprocket holes
- 2 = Terminals #1 & #3 toward sprocket holes

For W & X pin styles:

- 1 = Terminals #1 & #3 toward sprocket holes
- 2 = Terminals #1 & #3 away from sprocket holes

For P, W & X pin styles:

- 11 = ±5 % TR

Resistance Code _____

Embossed Tape Designator

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

Terminations _____

- LF = 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 resistance values listed in boldface. Special resistances available.

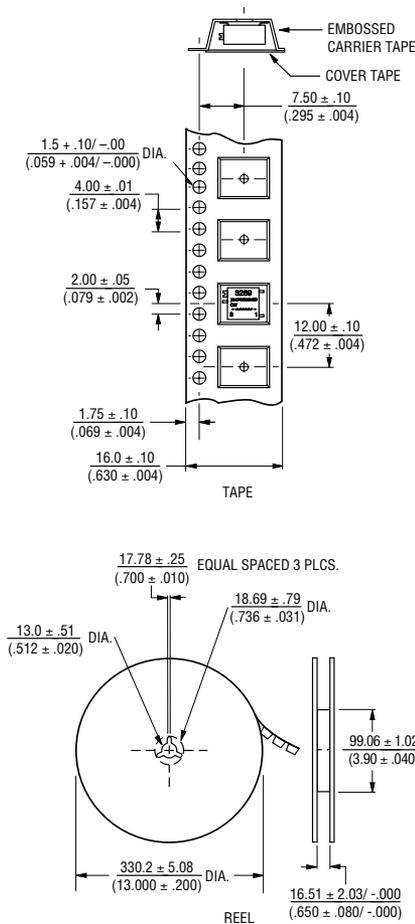


3269 - Packaging Specifications

BOURNS®

Packaging Specifications

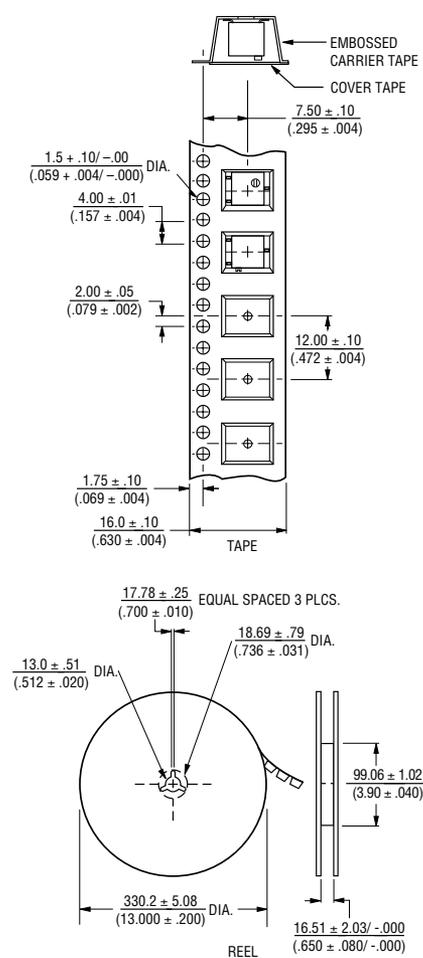
(P Style)



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

Packaging Specifications

(W & X Styles)



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