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ELECTRONICS

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Jameco Part Number 2050343



Features

- Stable, infinite resolution cermet element
- Vertical and horizontal adjust styles
- Optional packaging on embossed tape
- Compatible with surface mount manufacturing processes

- Lead free version available ([click here for 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

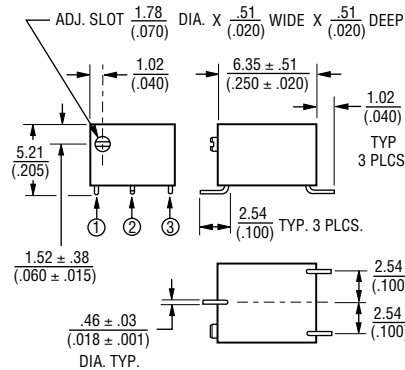
Power Rating (300 volts max.)
85 °C0.25 watt
150 °C0 watt
Temperature Range-65 °C to +150 °C
Temperature Coefficient±100 ppm/°C
Seal Test85 °C Fluorinert*
HumidityMIL-STD-202 Method 106
(2 % ΔTR; IR 100 Megohms)
Vibration30 G (1 % ΔTR; 1 % ΔVR)
Shock100 G (1 % ΔTR; 1 % ΔVR)
Load Life..1,000 hours 0.25 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

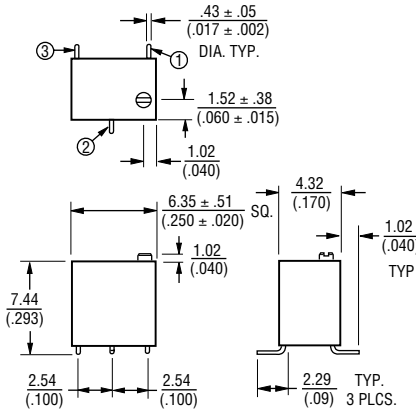
Torque3.0 oz-in. max.
Mechanical StopsWiper idles
TerminalsSolderable pins
Weight0.015 oz.
MarkingManufacturer's trademark, resistance code, wiring diagram, date code, manufacturer's model number and style
Standard Packaging50 pcs. per tube
Adjustment ToolH-90
Wiper50 % ± 10 %

3269P

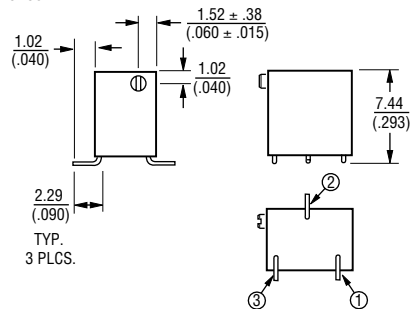
Common Dimensions



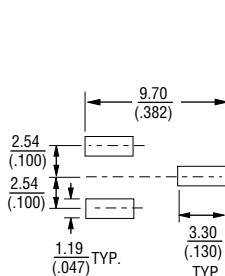
3269W



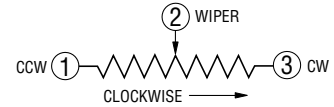
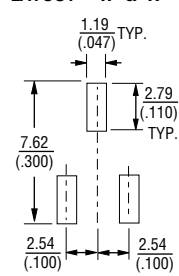
3269X



RECOMMENDED PCB LAYOUT - "P"



RECOMMENDED PCB LAYOUT - "W" & "X"



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

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

How To Order

3269 X - 1 - 103 G LF

Model _____
Style _____
Standard or Modified Product Indicator _____

For P pin style:
-1 = Terminals away from sprocket holes
-2 = Terminals towards sprocket holes

For W & X pin styles:
-1 = Terminals toward sprocket holes
-2 = Terminals 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 (lead free)
Blank = 90 % Tin / 10 % Lead-plated

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.

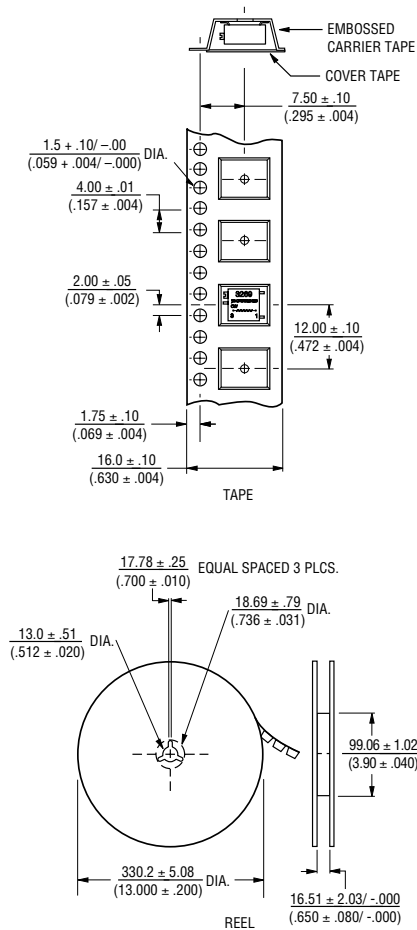
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3269 - Packaging Specifications

BOURNS®

Packaging Specifications

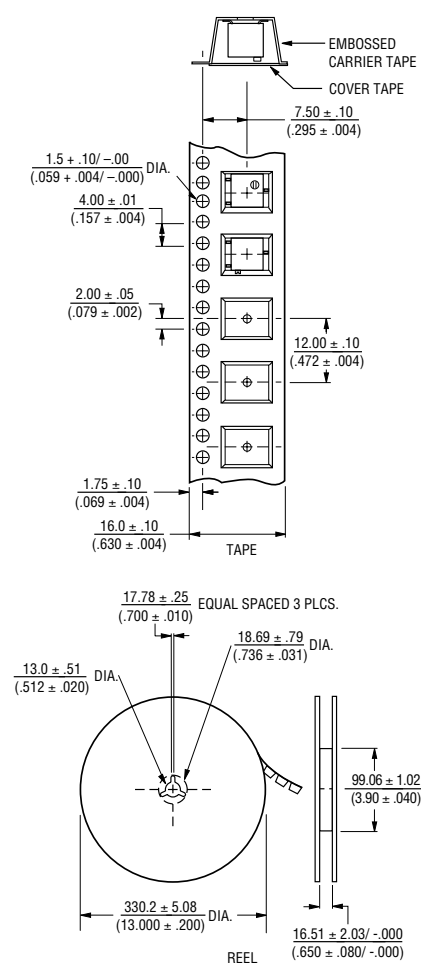
(P Style)



-1 Meets EIA Specification 481.
Units packaged 750 pieces per reel.

Packaging Specifications

(W & X Styles)



-2 Meets EIA Specification 481.
Units packaged 500 pieces per reel.