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

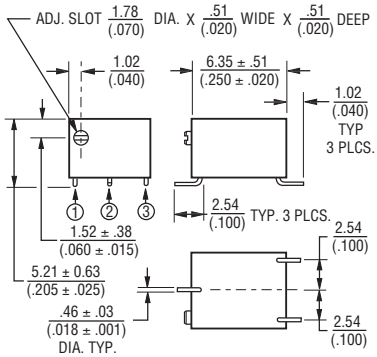
Power Rating (300 volts max.)
85 °C .....0.25 watt
150 °C .....0 watt
Temperature Range ... -65 °C to +150 °C
Temperature Coefficient ... ±100 ppm/°C
Seal Test ..85 °C Fluorinert†/60 seconds
Humidity .....MIL-STD-202 Method 106
(2 % ΔTR; IR 100 Megohms)
Vibration ..... 30 G (1 % ΔTR; 1 % ΔVR)
Shock ..... 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

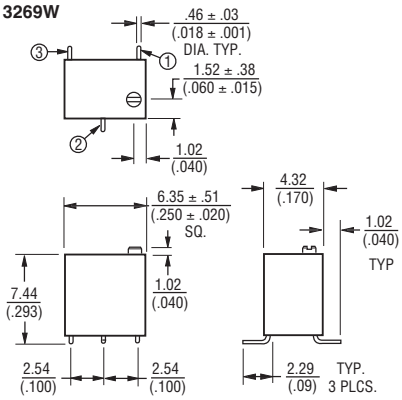
Torque.....2.5 oz-in. max.
Mechanical Stops.....Wiper idles
Terminals .....Solderable pins
Weight ..... 0.015 oz.
Marking.....Manufacturer’s
trademark, resistance code,
wiring diagram, date code,
manufacturer’s model
number and style
Standard Packaging ..... (MSL-2)
50 pcs. per tube
Adjustment Tool.....H-90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

Product Dimensions

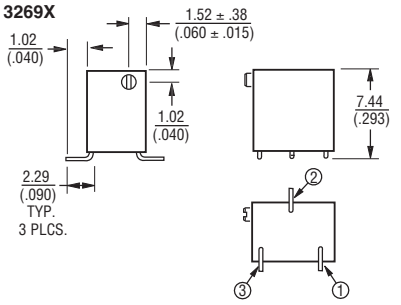
3269P
Common Dimensions



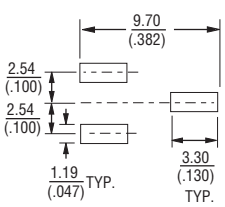
3269W



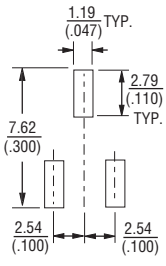
3269X

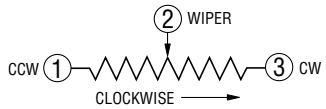


RECOMMENDED PCB LAYOUT - "P"



RECOMMENDED PCB LAYOUT - "W" & "X"





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

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
For W & X pin styles:
-1 = Terminals #1 & #3 toward sprocket holes
For P, W & X pin styles:
-11 = ±5 % TR
Resistance Code
Embossed Tape Designator
G = Embossed Tape (MSL-2)
“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

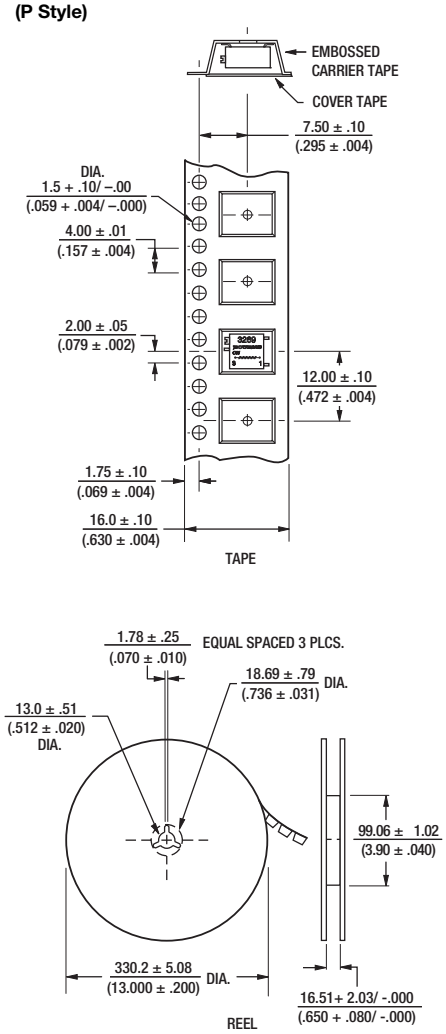
Popular distribution values listed in boldface.
Special resistances available.

*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.

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.

Packaging Specifications

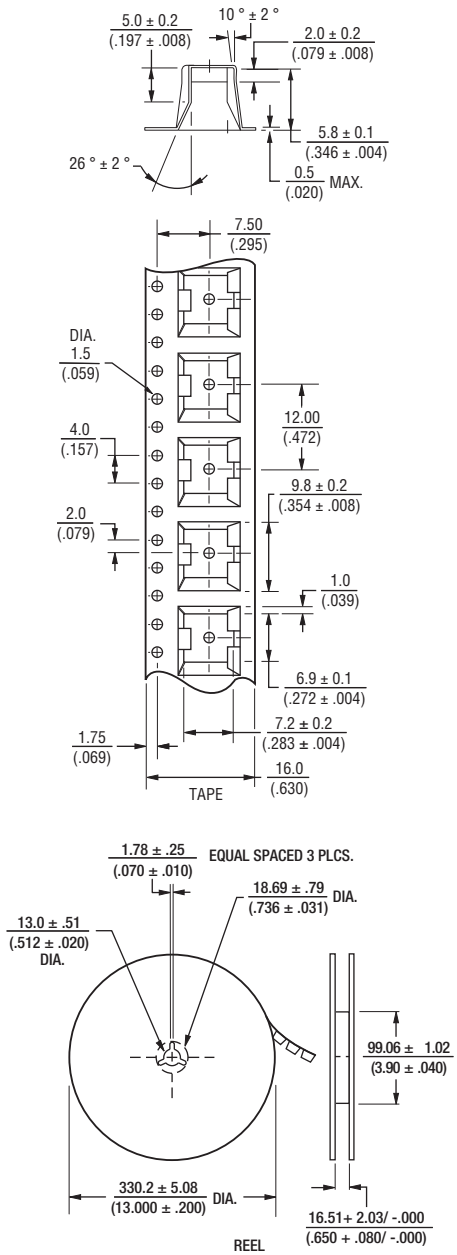
(P Style)



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

DIMENSIONS: MM / (INCHES)

(W & X Styles)



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

REV. 08/14

"Trimpot" is a registered trademark of Bourns, Inc.
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