



Features

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

3269 - 1/4" Square SMD Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range10 to 1 megohm
(see standard resistance table)
Resistance Tolerance $\pm 10\%$ 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%
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

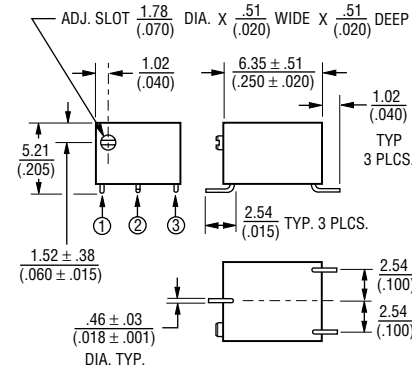
Power Rating (300 volts max.)	
85°C	0.25 watt
150°C	0 watt
Temperature Range	-65°C to +150°C
Temperature Coefficient	±100ppm/°C
Seal Test	85°C Fluorinert™
Humidity	MIL-STD-202 Method 106 (2% ΔTR; IR 100 Megohms)
Vibration	30G (1% ΔTR; 1% ΔVR)
Shock	100G (1% ΔTR; 1% ΔVR)
Load Life...1,000 hours	0.25 watt @ 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

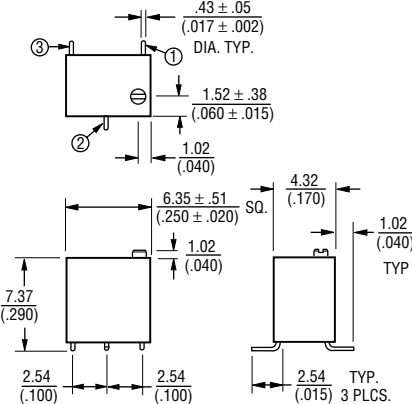
Torque	3.0 oz-in. max.
Mechanical Stops.....	Wiper idles
Terminals	Solderable pins
Weight	0.015 oz.
Marking	Manufacturer's trademark, resistance code, wiring diagram, date code, manufacturer's model number and style
Standard Packaging	50 pcs. per tube
Adjustment Tool	H-90

3269P

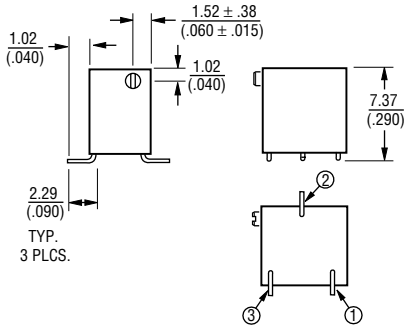
Common Dimensions



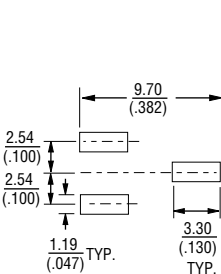
3269W



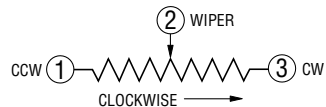
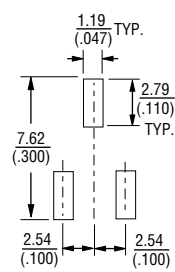
3269X



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

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 = $\pm 5\%$ TR

Resistance Code

Embossed Tape Designator

G = Embossed Tape

"P" Style - 750 pcs./13" reel

“W, X” Style - 500 pcs./13” reel

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

SHADED AREAS TYPICALLY NOT STOCKED BY DISTRIBUTORS AND NOT RECOMMENDED FOR NEW DESIGNS.