

Features

- Multiturn / Cermet / Industrial / Sealed
- 5 terminal styles
- Tape and reel packaging available
- Chevron seal design
- Listed on the QPL for style RJ24 per MIL-R-22097 and RJR24 per High-Rel Mil-R-39035
- Mounting hardware available (H-117P)
- Lead free version available

3296 - 3/8 " Square Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range10 ohms to 2 megohms (see standard resistance table) Resistance Tolerance±10 % std. (tighter tolerance available) Absolute Minimum Resistance1 % or 2 ohms max. (whichever is greater) Contact Resistance Variation1.0 % or 3 ohms max. (whichever is greater) Adjustability

Voltage.....±0.01 % Resistance±0.05 % Resolution.....Infinite Insulation Resistance500 vdc. 1,000 megohms min.

Dielectric Strength Sea Level900 vac 70,000 Feet.....350 vac Effective Travel......25 turns nom.

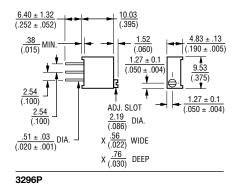
Environmental Characteristics

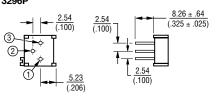
Power Rating (300 volts max.) 70 °C0.5 watt 125 °C0 watt Temperature Range-55 °C to +150 °C Temperature Coefficient±100 ppm/°C Seal Test85 °C Fluorinert* Humidity......MIL-STD-202 Method 103 96 hours (2 % Δ TR, 10 Megohms IR) Vibration......20 G (1 % ΔTR; 1 % ΔVR) Shock......100 G (1 % ΔTR; 1 % ΔVR) Load Life1,000 hours 0.5 watt @ 70 °C (3 % ΔTR; 3 % or 3 ohms, whichever is greater, CRV) Rotational Life......200 cycles

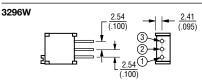
Physical Characteristics

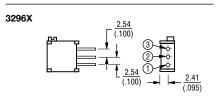
i ilyolodi Ollardott	71101100
Torque	3.0 oz-in. max.
Mechanical Stops	Wiper idles
Terminals	Solderable pins
Weight	0.03 oz.
Marking	Manufacturer's
tradem	ark, resistance code,
wiring	diagram, date code,
n	nanufacturer's model
	number and style
	50 % ±10 %
Flammability	U.L. 94V-0
Standard Packaging	50 pcs. per tube

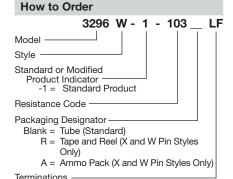
Common Dimensions





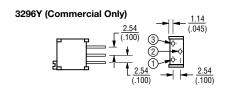


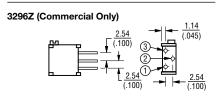


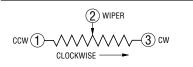


Blank = 90 % Tin / 10 % Lead-plated Consult factory for other available options.

LF = 100 % Tin-plated (lead free)







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

Standard Resistance Table

Desistance	Desistance
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
2,000,000	205

Popular values listed in boldface. Special resistances available.

Adjustment ToolH-90

(4 % ΔTR; 3 % or 3 ohms,

whichever is greater, CRV)

3296 - 3/8 " Square Trimming Potentiometer

BOURNS®

Packaging Specifications

SIDE ADJUST 3296X-1 TOP ADJUST 3296W-1 $\frac{3.81 \pm .71}{(.150 \pm .028)}$ 12.70 (.500) REF. 8.89 + .76 /- .51 (.350 + .030 /- .020) $\frac{12.70}{(.500)}$ REF. 18 ± .76 (.709 ± .030) 18 ± .76 (.709 ± .030) 29.59 ± .76 (1.165 ± .030) 8.89 + .76 /- .51 (.350 + .030 /- .020) 1 18 + 1.0/ - 0.5 (709 + .040/ - .020) \(\frac{4.0 \pm .03}{(.157 \pm .001)}\) DIA. 18 + 1.0/ - 0.5 (709 + .040/ - .020) 12.7 + 0.3/ - 0.25 (.500 + .012/ - .010) 12.7 + 0.3/ - 0.25 (.500 + .012/ - .010) 4.83 + .30/ -.25 (.190 + .012/ -.010) 4.83 + .30/ -.25 (.190 + .012/ -.010) 2.54 (.100) 2.41 ± .25 (.095 ± .010) 2.41 ± .25 (.095 ± .010) ALL PINS IN-LINE ON $\frac{2.54}{(.100)}$ CENTER ALL PINS IN-LINE ON $\frac{2.54}{(.100)}$ CENTER $\mathsf{DIMENSIONS:}\frac{\mathsf{MM}}{(\mathsf{INCHES})}$ $\frac{.51 \pm .051}{(020 \pm .002)}$ DIA. TYP. DIMENSIONS: $\frac{MM}{(INCHES)}$ 1000/REEL/BOX 1000/REEL/BOX

Meets EIA Specification 468.