

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)
- RoHS compliant* version available
- For trimmer applications/processing auidelines, click here

3296 - 3/8 "Square Trimpot® Trimming Potentiometer

Additional Information

Click these links for more information:









INVENTORY





SAMPLES CONTACT

Electrical Characteristics

LIBRARY

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 Variation

.....1.0 % or 3 ohms max. (whichever is greater) Adjustability

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

Dielectric Strength Sea Level900 vac 70,000 Feet......350 vac Effective Travel25 turns nom.

Environmental Characteristics

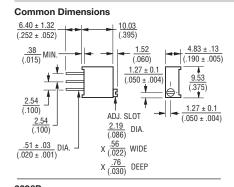
Power Rating (300 volts max.) 70 °C......0.5 watt Temperature Range-55 °C to +125 °C Temperature Coefficient±100 ppm/°C Humidity MIL-STD-202 Method 103 (2 % ΔTR, 10 Megohms IR) Vibration20 G (1 % ΔTR; 1 % ΔVR) Shock100 G (1 % ΔTR; 1 % ΔVR) Load Life......1,000 hours 0.5 watt @ 70 °C (3 % ΔTR; 3 % or 3 ohms. whichever is greater, CRV) Rotational Life200 cycles (4 % ΔTR; 3 % or 3 ohms, whichever is greater, CRV) Moisture Sensitivity Level......N/A ESD Classification (HBM)......2

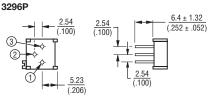
Physical Characteristics

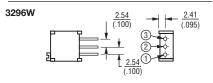
Torque	3.0 oz-in. max.
Mechanical Stops	Wiper idles
Terminals	Solderable pins
Weight	0.03 oz.
Marking	Manufacturer's
trademark, re	sistance code, wiring
diagram, da	ite code, mfr's. model
	number and style
Wiper50	% (Actual TR) ±10 %
Flammability	` U.Ĺ. 94V-0
Standard Packaging	
Adjustment Tool	
Storage Condition	

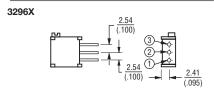
......40 °C max. / 70 % R.H. max.

Product Dimensions





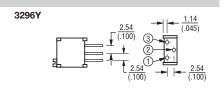


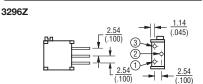


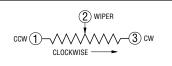
Standard Resistance Table

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
2,000,000	205
=,000,000	

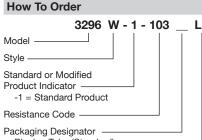
Popular values listed in boldface. Special resistances available







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



Blank = Tube (Standard) R = Tape and Reel (X and W Pin Styles

Only) A = Ammo Pack (X and W Pin Styles Only)

Tape and reel material meets Antistatic ANSI/ESD 5541-2003 packaging standards.

Terminations

100 % Tin-plated (RoHS compliant) Blank = 90 % Tin / 10 % Lead-plated (Standard)

Consult factory for other available options.



WARNING Cancer and **Reproductive Harm** www.P65Warnings.ca.gov

*RoHS Directive 2015/863, Mar. 31, 2015 and Annex "Trimpot" is a trademark of Bourns, Inc. †"Fluorinert" is a registered trademark of 3M Co. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at

Packaging Specifications

TOP ADJUST 3296W-1 SIDE ADJUST (.150 ± .028) 12.70 (.500) REF. 8.89 + .76 /- .51 12.70 (.500) REF. (.350 + .030 / - .020)3.81 ± .71 $(.15 \pm .028)$ 8.89 + .76 /- .51 (.350 + .030 /- .020) 18 + 1.0/ - 0.5 (709 + .040/ - .020) 18 + 1.0/ - 0.5 (709 + .040/ - .020) 4.0 ± .03 (.157 ± .001) DIA. (.157 ± .001) DIA. 12.7 + 0.3/ - 0.25 (.500 + .012/ - .010) 4.83 + .30/ -.25 (.190 + .012/ -.010) $\frac{4.83 + .30 / -.25}{(.190 + .012 / -.010)}$ 2.41 ± .25 (.095 ± .010) ALL PINS IN-LINE ON $\frac{2.54}{(.100)}$ CENTER MM DIMENSIONS: $\frac{IVIIVI}{(INCHES)}$ $\frac{.51 \pm .051}{(020 \pm .002)}$ DIA. TYP. DIMENSIONS: (INCHES) 1000/REEL/BOX 1000/REEL/BOX

Meets EIA Specification 468.

BOURNS®

Asia-Pacific: Tel: +886-2 2562-4117 • Email: asiacus@bourns.com

Europe: Tel: +36 88 885 877 • Email: eurocus@bourns.com

The Americas: Tel: +1-951 781-5500 • Email: americus@bourns.com

www.bourns.com

REV. 07/23

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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