

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 guidelines, click here

3296 - 3/8 " Square Trimpot® Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range10 ohms to 2 megohms (see standard resistance table) Resistance Tolerance ±10 % std. (tighter tolerance available)

Absolute Minimum Resistance

......1 % 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 % Resolution Infinite Insulation Resistance500 vdc. 1,000 megohms min.

Dielectric Strenath

Sea Level......900 vac 70,000 Feet 350 vac Effective Travel25 turns nom.

Environmental Characteristics

Power Rating (300 volts max.) 125 °C 0 watt Temperature Range ... -55 °C to +125 °C Temperature Coefficient ... ±100 ppm/°C Seal Test85 °C Fluorinert† HumidityMIL-STD-202 Method 103 (2 % Δ TR, 10 Megohms IR) Vibration 20 G (1 % ΔTR; 1 % ΔVR) Shock 100 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)

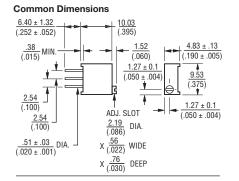
Rotational Life200 cycles (4 % ΔTR; 3 % or 3 ohms, whichever is greater, CRV)

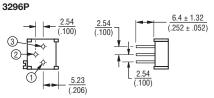
Moisture Sensitivity Level.....N/A ESD Classification (HBM).....2

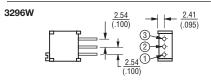
Physical Characteristics

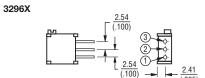
-
Torque3.0 oz-in. max.
Mechanical StopsWiper idles
TerminalsSolderable pins
Weight0.03 oz.
MarkingManufacturer's
trademark, resistance code, wiring
diagram, date code, mfr's. model
number and style
Wiper50 % (Actual TR) ± 10 %
FlammabilityU.L. 94V-0
Standard Packaging 50 pcs. per tube
Adjustment ToolH-90

Product Dimensions





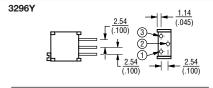


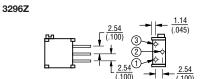


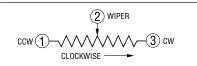
Standard Resistance Table

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

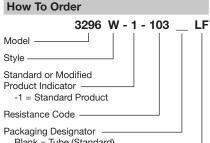
Popular values listed in boldface. Special resistances available.







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



Blank = Tube (Standard)

R = Tape and Reel (X and W Pin Styles Only)

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

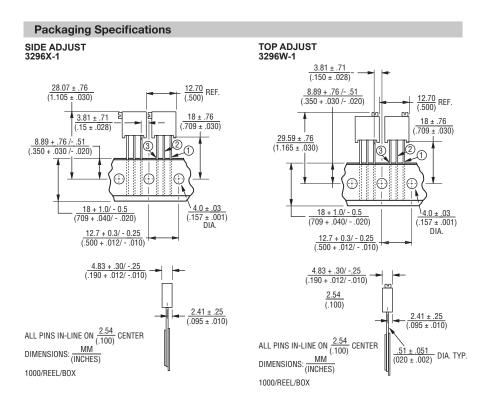
Tape and reel material meets Antistatic ANSI/ESD 5541-2003 packaging standards.

Terminations

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

Consult factory for other available options.

†"Fluorinert" is a registered trademark of 3M Co.



Meets EIA Specification 468.

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