

## Features

- Multiturn / Cermet / Industrial / Sealed
- 5 terminal styles
- Tape and reel packaging available
- Chevron seal design
- Listed on the QPL for style RJ24per 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 Trim Pot Trimming Potentiometer

### Electrical Characteristics

Standard Resistance Range ..... 10 ohms to 2 megohms  
 (see standard resistance table)  
 Resistance Tolerance .....  $\pm 10\%$  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 .....  $\pm 0.01\%$   
 Resistance .....  $\pm 0.05\%$   
 Resolution ..... Inf nite  
 Insulation Resistance ..... 500 vdc.  
 1,000 megohms min.  
 Dielectric Strength  
 Sea Level ..... 900 vac  
 70,000 Feet ..... 350 vac  
 Effective Travel ..... 25 turns nom.

### Environmental Characteristics

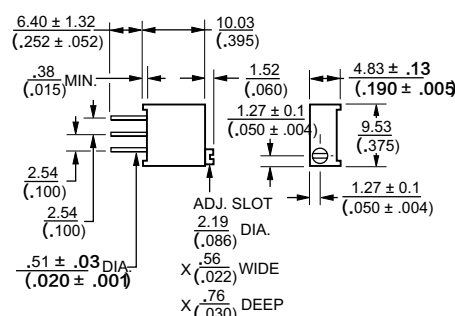
Power Rating (300 volts max.)  
 70 °C ..... 0.5 watt  
 125 ..... 0 watt  
 Temperature Range ... -55 °C to +125 °C  
 Temperature Coeff cient ...  $\pm 100$  ppm/°C  
 Seal Test ..... 85 °C Fluorinert  
 Humidity ..... MIL-STD-202 Method 103  
 96 hours  
 (2 %  $\Delta$  TR, 10 Megohms IR)  
 Vibration ..... 20 G (1 %  $\Delta$  TR; 1 %  $\Delta$  VR)  
 Shock ..... 100 G (1 %  $\Delta$  TR; 1 %  $\Delta$  VR)  
 Load Life .. 1,000 hours 0.5 watt @ 70 °C  
 (3 %  $\Delta$  TR; 3 % or 3 ohms,  
 whichever is greater, CRV)  
 Rotational Life ..... 200 cycles  
 (4 %  $\Delta$  TR; 3 % or 3 ohms,  
 whichever is greater, CRV)

### Physical Characteristics

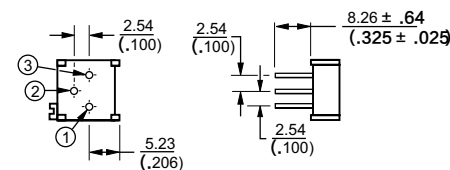
Torque ..... 3.0 oz-in. max.  
 Mechanical Stops ..... Wiper idles  
 Terminals ..... Solderable pins  
 Weight ..... 0.03 oz.  
 Marking ..... Manufacturers  
 trademark, resistance code,  
 wiring diagram, date code,  
 manufacturers model  
 number and style  
 Wiper ..... 50 % (Actual TR)  $\pm 0\%$   
 Flammability ..... U.L. 94V-0  
 Standard Packaging ..... 50 pcs. per tube  
 Adjustment Tool ..... H-90

### Product Dimensions

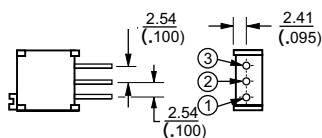
#### Common Dimensions



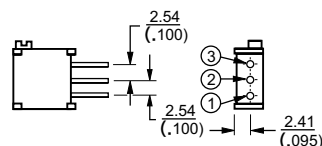
#### 3296P



#### 3296W



#### 3296X

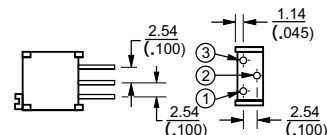


### How To Order

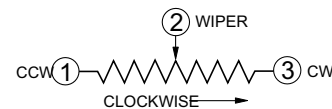
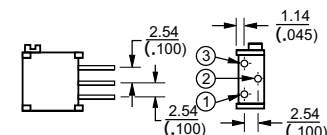
Model 3296 W - 1 - 103 LF  
 Style \_\_\_\_\_  
 Standard or Modified \_\_\_\_\_  
 Product Indicator \_\_\_\_\_  
 -1 = Standard Product  
 Resistance Code \_\_\_\_\_  
 Packaging Designator \_\_\_\_\_  
 Blank = Tube (Standard)  
 R = Tape and Reel (X and W Pin Styles Only)  
 A = Ammo Pack (X and W Pin Styles Only)  
 Terminations \_\_\_\_\_  
 LF = 100 % Tin-plated (RoHS compliant)  
 Blank = 90 % Tin / 10 % Lead-plated (Standard)

Consult factory for other available options.

#### 3296Y



#### 3296Z



DIMENSIONS:  $\frac{\text{MM}}{(\text{INCHES})}$

TOLERANCES:  $\pm \frac{0.25}{(.010)}$  EXCEPT WHERE NOTED

### 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

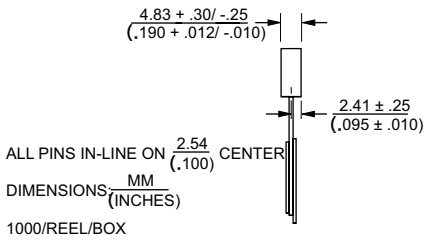
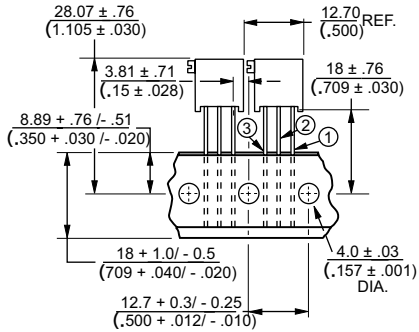
Popular values listed in boldface. Special resistances available.

Specifications are subject to change without notice.  
 Customers should verify actual device performance in their specific applications.

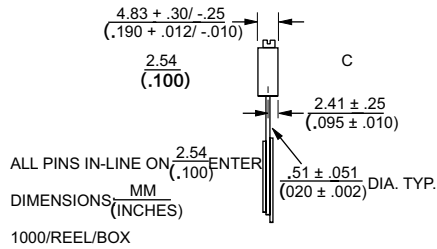
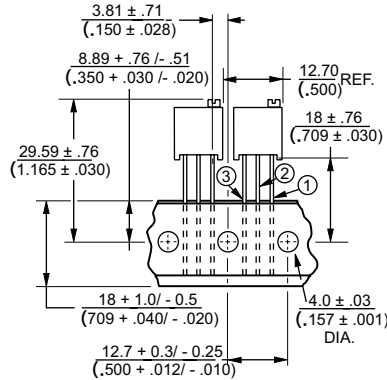
**3296 - 3/8 " Square Trimpot Trimming Potentiometer**

Packaging Specifications

SIDE ADJUST  
3296X-1



TOP ADJUST  
3296W-1



Meets EIA Specification 468.

REV. 08/10

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