



## Features

- Multiturn / Cermet / Industrial / Sealed
- Standoffs allow thorough PC board washing
- Tape and reel packaging available
- Patent #4427966 drive mechanism
- RoHS compliant\* version available

## 3266 - 1/4 " Square Trimming Potentiometer

### Electrical Characteristics

Standard Resistance Range .....10 to 1 megohm  
(see standard resistance table)  
Resistance Tolerance .....±10 % std.  
Absolute Minimum Resistance .....1 % or 2 ohms max.  
(whichever is greater)  
Contact Resistance Variation .....3.0 % 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

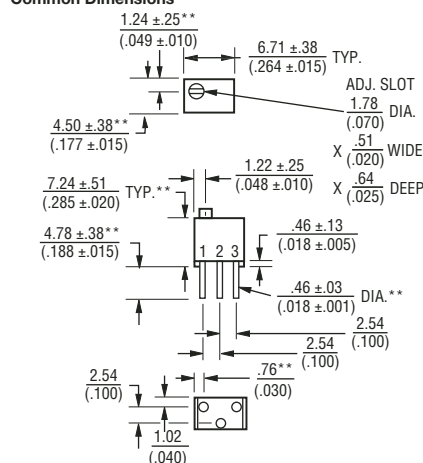
Power Rating (300 volts max.)  
70 °C .....0.25 watt  
150 °C .....0 watt  
Temperature Range.....-55 °C to +150 °C  
Temperature Coefficient.....±100 ppm/°C  
Seal Test.....85 °C Fluorinert†  
Humidity.....MIL-STD-202 Method 103  
96 hours (2 % ΔTR, 10 Megohms IR)  
Vibration.....30 G (1 % ΔTR; 1 % ΔVR)  
Shock.....100 G (1 % ΔTR; 1 % ΔVR)  
Load Life ...1,000 hours 0.25 watt 70 °C  
(3 % ΔTR; 3 % CRV)  
Rotational Life .....200 cycles  
(4 % ΔTR; 3 % or 3 ohms, whichever is greater, CRV)

### Physical Characteristics

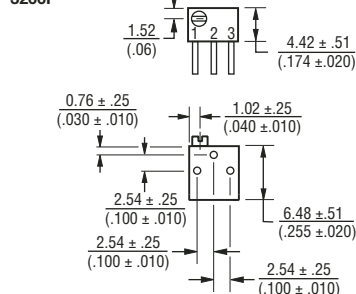
Torque .....3.0 oz-in. max.  
Mechanical Stops.....Wiper idles  
Terminals.....Solderable pins  
Weight .....0.015 oz.  
Marking .....Manufacturer's  
trademark, resistance code,  
wiring diagram, date code,  
manufacturer's model  
number and style  
Wiper.....50 % (Actual TR) ±10 %  
Flammability .....U.L. 94V-0  
Standard Packaging .....50 pcs. per tube  
Adjustment Tool .....H-90

#### 3266W

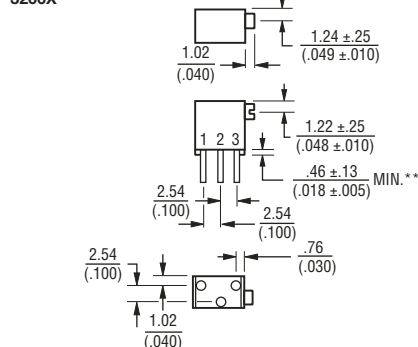
##### Common Dimensions



#### 3266P

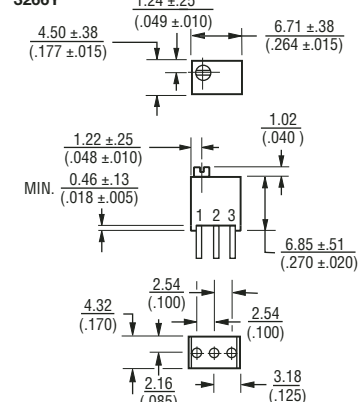


#### 3266X

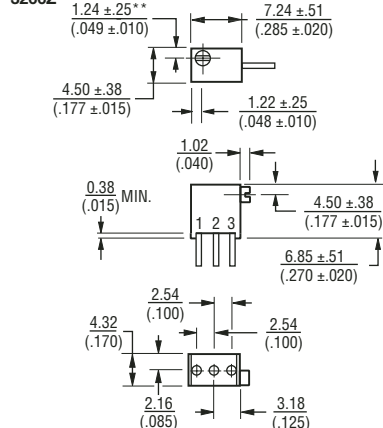


\*\*COMMON DIMENSIONS

#### 3266Y



#### 3266Z



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

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

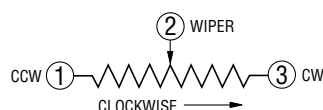
### How to Order

**3266 W - 1 - 103 LF**

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

Consult factory for other available options.

\*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.  
†"Fluorinert" is a registered trademark of 3M Co.  
Specifications are subject to change without notice.  
Customers should verify actual device performance in their specific applications.



# 3266 - 1/4 " Square Trimming Potentiometer

**BOURNS®**

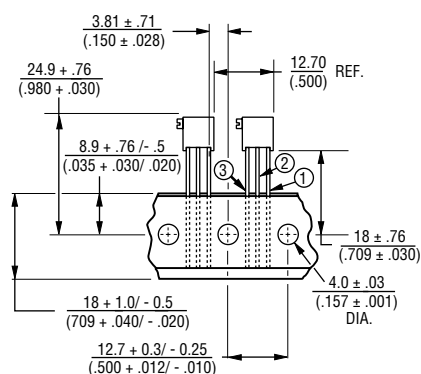
Standard Resistance Table

| Resistance (Ohms) | Resistance Code |
|-------------------|-----------------|
| 10                | 100             |
| 20                | 200             |
| 50                | 500             |
| 100               | 101             |
| 200               | 201             |
| 500               | 501             |
| <b>1,000</b>      | <b>102</b>      |
| <b>2,000</b>      | <b>202</b>      |
| <b>5,000</b>      | <b>502</b>      |
| <b>10,000</b>     | <b>103</b>      |
| <b>20,000</b>     | <b>203</b>      |
| 25,000            | 253             |
| 50,000            | 503             |
| 100,000           | 104             |
| 200,000           | 204             |
| 250,000           | 254             |
| 500,000           | 504             |
| 1,000,000         | 105             |

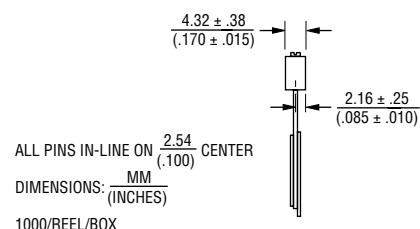
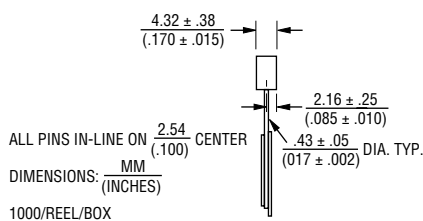
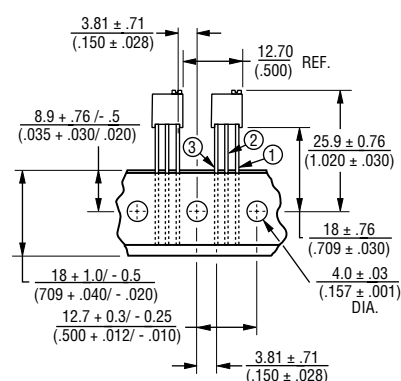
Popular distribution resistance values listed in boldface. Special resistances available.

Packaging Specifications

SIDE ADJUST  
3266Z-1



TOP ADJUST  
3266Y-1



Meets EIA Specification 468.