

AVAILABLE  
THROUGH  
DISTRIBUTION



**BOURNS®**

## 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 %

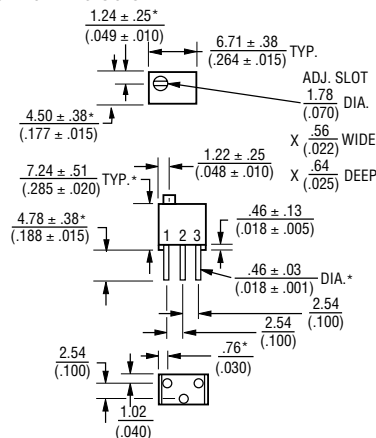
Flammability.....U.L. 94V-0

Standard Packaging .....50 pcs. per tube

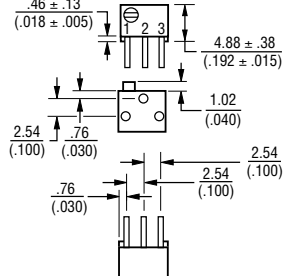
Adjustment Tool .....H-90

#### 3266W

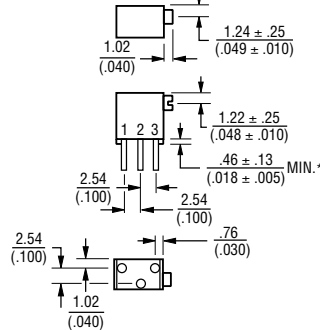
##### Common Dimensions



#### 3266P

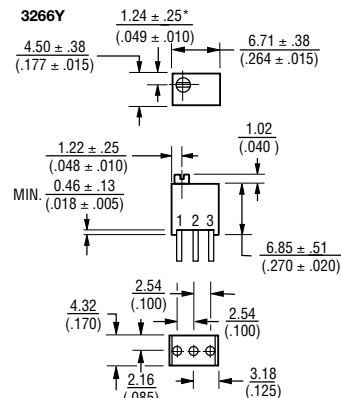


#### 3266X

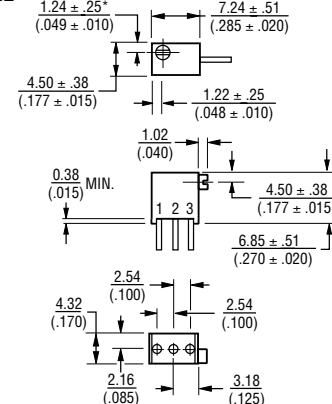


\*Common dimensions

#### 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)

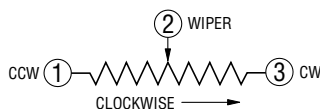
Consult factory for other available options.

\*"Fluorinert" is a registered trademark of 3M Co.

†RoHS Directive 2002/95/EC Jan 27 2003 including Annex.

Specifications are subject to change without notice.

Customers should verify actual device performance in their specific applications.



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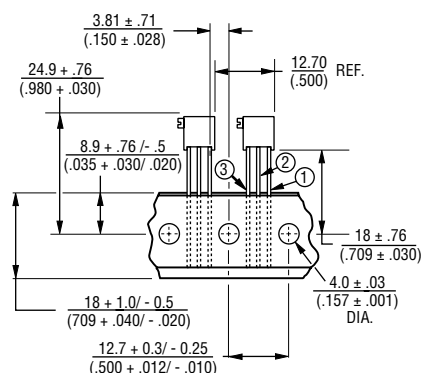
**Standard Resistance Table**

| 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             |

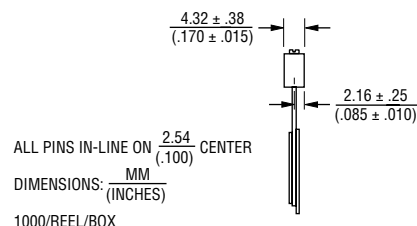
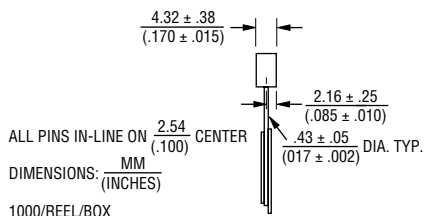
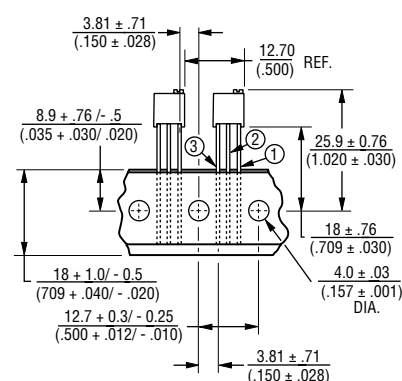
Popular distribution resistance values listed in boldface. Special resistances available.

**Packaging Specifications**

**SIDE ADJUST  
3266Z-1**



**TOP ADJUST  
3266Y-1**



Meets EIA Specification 468.