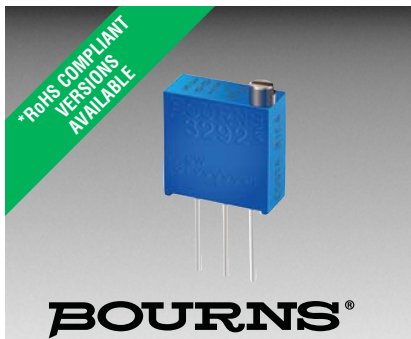




## Features

- Multiturn / Cermet / Industrial / Sealed
- Optional panel mount available
- Thin body profile
- RoHS compliant\* version available
- For trimmer applications/processing guidelines, [click here](#)

## 3292 - 3/8" Square Trimpot® Trimming Potentiometer

### Electrical Characteristics

|                                 |                      |
|---------------------------------|----------------------|
| Standard Resistance Range       | 10 to 1 megohm       |
| (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 Resistance           | 500 vdc.             |
|                                 | 1,000 megohms min.   |
| Dielectric Strength             |                      |
| Sea Level                       | 900 vac              |
| 80,000 Feet                     | 350 vac              |
| Effective Travel                | 25 turns nom.        |

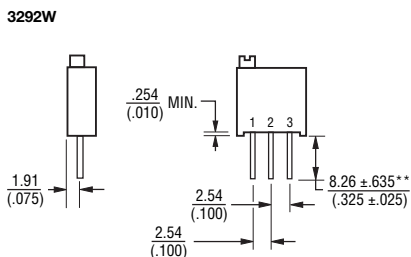
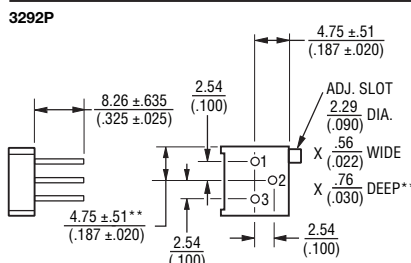
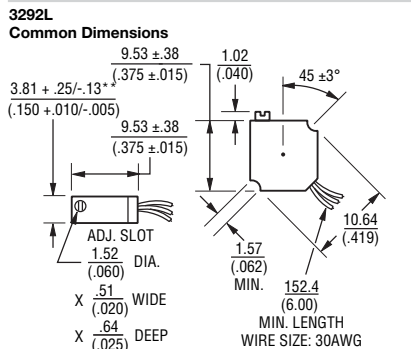
### Environmental Characteristics

|                                                     |                              |
|-----------------------------------------------------|------------------------------|
| Power Rating (400 volts max.)                       |                              |
| 85 °C                                               | 0.5 watt                     |
| 150 °C                                              | 0 watt                       |
| Temperature Range                                   | -65 °C to +150 °C            |
| Temperature Coefficient                             | ±100 ppm/°C                  |
| Seal Test                                           | 85 °C Fluorinert†            |
| (pin styles only)                                   |                              |
| Humidity                                            | MIL-STD-202 Method 103       |
| 96 hours (1 % ΔTR, 100 Megohms IR)                  |                              |
| Vibration                                           | 30 G (1 % ΔTR; 1 % ΔVR)      |
| Shock                                               | 100 G (1 % ΔTR; 1 % ΔVR)     |
| Load Life                                           | 1,000 hours 0.5 watt @ 85 °C |
| (2 % ΔTR; 3 % or 3 ohms, whichever is greater, CRV) |                              |
| Rotational Life                                     | 200 cycles                   |
| (2 % ΔTR; 3 % or 3 ohms, whichever is greater, CRV) |                              |

### Physical Characteristics

|                        |                                                                                                             |
|------------------------|-------------------------------------------------------------------------------------------------------------|
| Torque                 | 5.0 oz-in. max.                                                                                             |
| Mechanical Stops       | Wiper idles                                                                                                 |
| Terminals              | Solderable printed circuit pins                                                                             |
| Weight                 | 0.025 oz.                                                                                                   |
| Machine Screw Mounting |                                                                                                             |
| Torque                 | 12 oz-in. max.                                                                                              |
| 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     |                                                                                                             |
| P, W & X Styles        | 50 pcs. per tube                                                                                            |
| L Style                | 50 pcs. per bag                                                                                             |
| Adjustment Tool        | H-90                                                                                                        |

### Product Dimensions



\*\*Common dimensions

### How To Order

**3292 W - 1 - 103 M LF**

Model \_\_\_\_\_

Style \_\_\_\_\_

Standard or Modified \_\_\_\_\_

Product Indicator \_\_\_\_\_

-1 = Standard Product

Resistance Code \_\_\_\_\_

Optional Suffix Letter \_\_\_\_\_

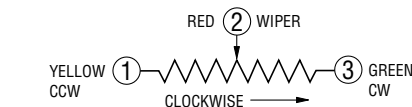
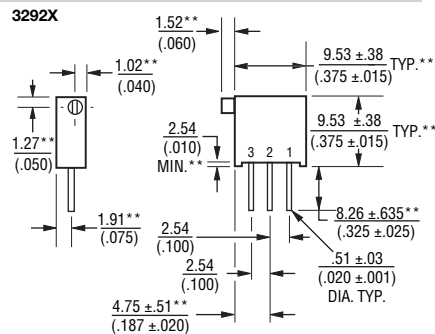
M = Panel Mount Model 3292L, W & X (Factory Installed)

Terminations \_\_\_\_\_

LF = 100 % Tin-plated (RoHS compliant)

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

Consult factory for other available options.



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             |
| <b>200</b>        | <b>201</b>      |
| <b>500</b>        | <b>501</b>      |
| <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>      |
| <b>25,000</b>     | <b>253</b>      |
| <b>50,000</b>     | <b>503</b>      |
| <b>100,000</b>    | <b>104</b>      |
| 200,000           | 204             |
| 250,000           | 254             |
| 500,000           | 504             |
| 1,000,000         | 105             |

Popular values listed in boldface. Special resistances available.

REV. 04/14

"Trimpot" is a registered trademark of Bourns, Inc.  
†"Fluorinert" is a registered trademark of 3M Co.

\*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.