

## 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 Timpot® 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.

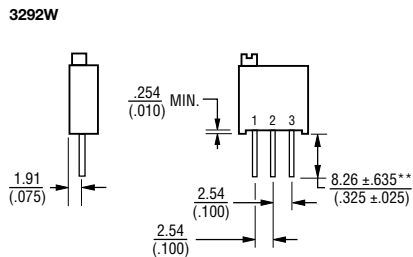
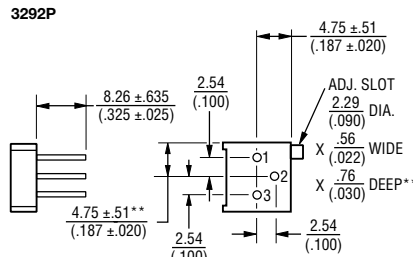
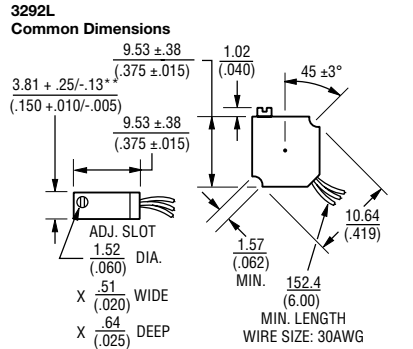
### Environmental Characteristics

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

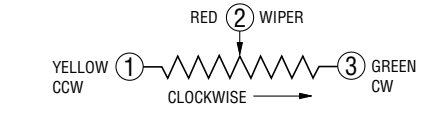
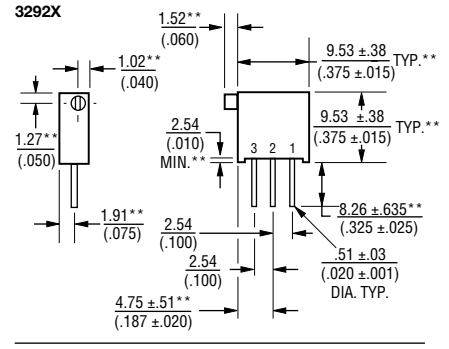


\*\*Common dimensions

### 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: ±  $\frac{0.25}{(.010)}$  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.



**WARNING Cancer and Reproductive Harm**  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

REV. 08/19

\*RoHS Directive 2015/863, Mar. 31, 2015 and Annex "Timpot" is a trademark of Bourns, Inc.  
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