

## Features

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

## Additional Information

Click these links for more information:



# 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.

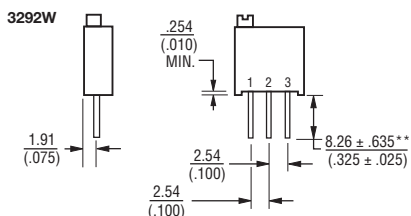
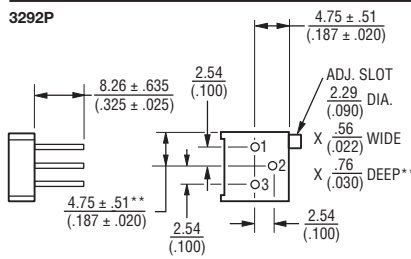
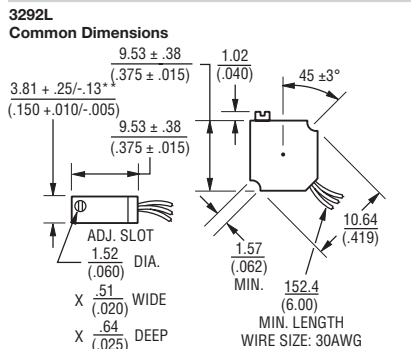
### Environmental Characteristics

- 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 / 60 seconds
- 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
- Adjustment Tool ..... H-90

### Product Dimensions



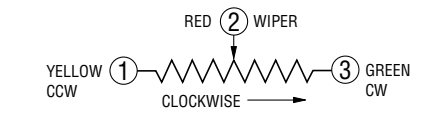
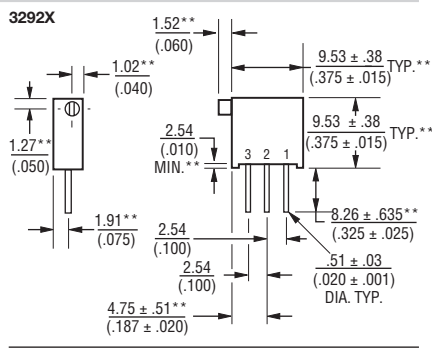
\*\*Common dimensions

### Packaging

- Standard Packaging:  
P, W & X Styles ..... 50 pcs. per tube  
L Style ..... 50 pcs. per bag
- Packaging for Panel Mount:  
P, W & X Styles .. 50 pcs. per plastic tray  
L Style ..... 50 pcs. per bag

### How To Order

- 3292 W - 1 - 103 M LF**
- Model \_\_\_\_\_  
Style \_\_\_\_\_  
Std. or Modified Product Indicator  
-1 = Standard Product  
Resistance Code \_\_\_\_\_  
Optional Suffix Letter \_\_\_\_\_  
M = Panel Mount Model 3292L, P, W & X  
(Factory Installed)  
Terminations \_\_\_\_\_  
LF = 100 % Tin-plated (RoHS compliant)  
Blank = 90 % Tin / 10 % Lead-plated (Std.)  
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. 05/24

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