

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.

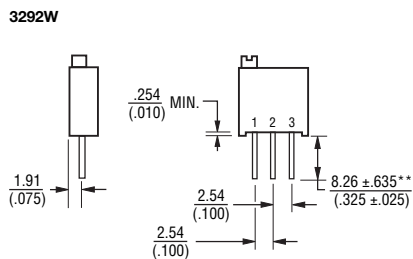
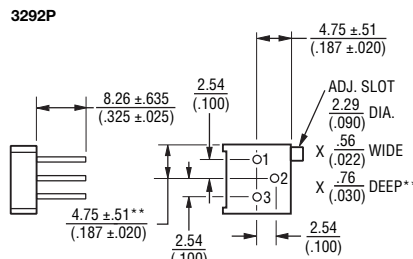
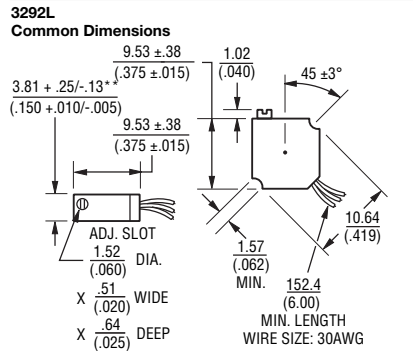
Environmental Characteristics

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



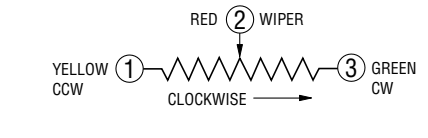
**Common dimensions

How To Order

3292 W - 1 - 103 M LF

Model	3292
Style	W
Standard or Modified	-1 = Standard Product
Product Indicator	
Resistance Code	103
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: ± $\frac{0.25}{(0.010)}$ EXCEPT WHERE NOTED

Standard Resistance Table

Resistance (Ohms)	Resistance Code
10	100
20	200
50	500
100	101
200	201
500	501
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
25,000	253
50,000	503
100,000	104
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.

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