

Features

- Multiturn / Cermet / Industrial / Sealed
- [Optional panel mount](#) available
- Patent #4427966 drive mechanism
- Thin body profile
- RoHS compliant* version available

3292 - 3/8" Square Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range10 to 1 megohm
 (see standard resistance table)
 Resistance Tolerance±10 % std.
 (tighter tolerance available)
 Absolute Minimum Resistance1 % or 2 ohms max.
 (whichever is greater)
 Contact Resistance Variation
 32921.0 % or 3 ohms max.
 (whichever is greater)
 Adjustability
 Voltage±0.01 %
 Resistance±0.05 %
 ResolutionInfinite
 Insulation Resistance500 vdc.
 1,000 megohms min.
 Dielectric Strength
 Sea Level900 vac
 80,000 Feet350 vac
 Effective Travel25 turns nom.

Environmental Characteristics

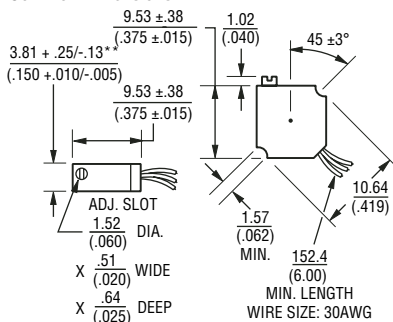
Power Rating (400 volts max.)
 85 °C0.5 watt
 150 °C0 watt
 Temperature Range-65 °C to +150 °C
 Temperature Coefficient±100 ppm/°C
 Seal Test85 °C Fluorinert[†]
 (pin styles only)
 HumidityMIL-STD-202 Method 103
 96 hours (1 % ΔTR, 100 Megohms IR)
 Vibration30 G (1 % ΔTR; 1 % ΔVR)
 Shock100 G (1 % ΔTR; 1 % ΔVR)
 Load Life ..1,000 hours 0.5 watt @ 85 °C
 (2 % ΔTR; 3 % or 3 ohms, whichever is greater, CRV)
 Rotational Life200 cycles
 (2 % ΔTR; 3 % or 3 ohms, whichever is greater, CRV)

Physical Characteristics

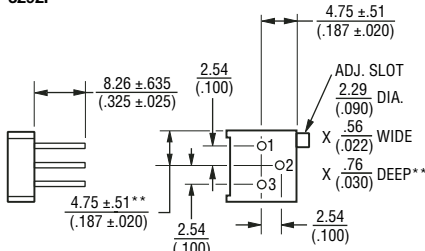
Torque5.0 oz-in. max.
 Mechanical StopsWiper idles
 Terminals...Solderable printed circuit pins
 Weight0.025 oz.
 Machine Screw Mounting
 Torque12 oz-in. max.
 MarkingManufacturer's trademark,
 resistance code, wiring diagram,
 date code, manufacturer's model
 number and style
 Wiper50 % (Actual TR) ±10 %
 FlammabilityU.L. 94V-0
 Standard Packaging
 P, W & X Styles50 pcs. per tube
 L Style50 pcs. per bag
 Adjustment ToolH-90

3292L

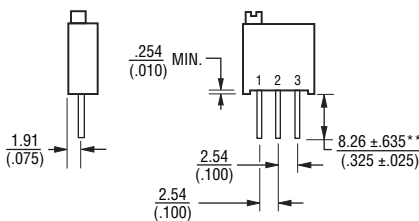
Common Dimensions



3292P



3292W



**COMMON DIMENSIONS

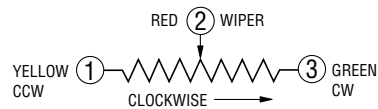
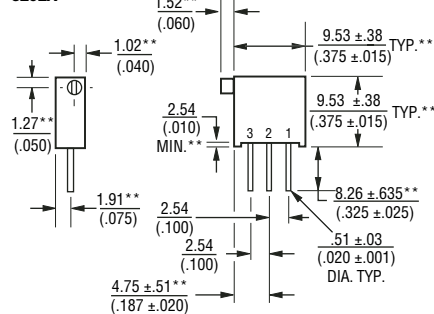
How To Order

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.

3292X



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

DIMENSIONS ARE: $\frac{\text{MM}}{\text{(INCHES)}}$

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. 09/05

*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.
[†]"Fluorinert" is a registered trademark of 3M Co.
 Specifications are subject to change without notice.
 Customers should verify actual device performance in their specific applications.