

## **Features**

- Lower profile than Model 6639
- Essentially infinite resolution
- Excellent rotational life
- High quality, rugged construction
- Recommended for HMI applications
- Cost and space saving

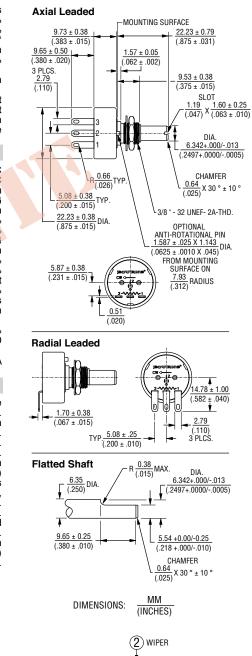
- Optional anti-rotation lug
- Optional mechanical stop

**Product Dimensions** 

## 6630 - Precision Potentiometer

Standard Resistance Range	1K to 20K ohms
	±15 %
	±2.0 %
	340 ° +3 °
Output Smoothness	
Dielectric Withstanding Voltage (Mi	L-STD-202, Method 301)750 VAC minimum
Power Rating (Voltage Limited By F	Power Dissipation or 300 VAC, Whichever is Less)
	1.0 wat
+125 °C	0 wat
Environmental Characteris	tics <sup>1</sup>
Operating Temperature Range	-40 °C to +125 °C
	-65 °C to +125 °C
Temperature Coefficient	±500 ppm/°C maximun
/ibration	15 @
Total Resistance Shift	±5 %
	±0.5 %
	50 @
Iotal Resistance Shift	±5 %
voltage Halio Shiit	±0.5 %
	±10 %
	5,000,000 shaft revolutions
	±10 % maximum
Moisture Resistance (MII -STD-202	Method 106)
Total Resistance Shift	2, Method 106) ±15 %
P Rating	IP 40
ESD Classification (HBM)	N/A
· · ·	
Mechanical Characteristics	
viecnanicai Angle	
Mounting & Hunning)	
	0.13 mm (0.005 in.) T.I.R
Veight	18 gm (6539 Servo Mount), 24 gm (6639 Bushing Mount
Terminals	Axial and radial solder lugs
	. Recommended hand soldering using Sn95/Ag5 no clean solder the diameter. Maximum temperature 399°C (750°F) for 3 seconds No wash process to be used with no clean flux
Marking	Manufacturer's name and part number, resistance value and
	talauanaa linaavitu talauanaa uuivina diaauana and data aada
Ganging (Multiple Section Pots)	tolerance, linearity tolerance, withing diagram, and date code
Hardware	One lockwasher (H-37-2) and one mounting nut (H-38-2 is shipped with potentiometer

<sup>&</sup>lt;sup>2</sup> 2.82 N-cm (4.0 oz.-in.) max. at -40 °C.



ccw(1)

CLOCKWISE -



WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

\*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

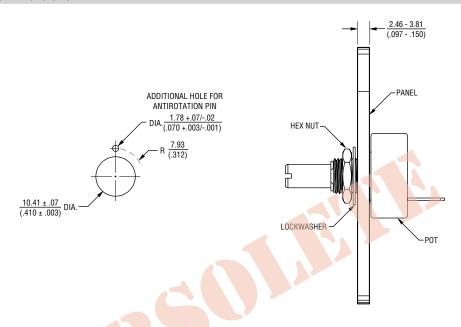
Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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# 6630 - Precision Potentiometer

#### **Panel Thickness Dimensions**



Anti-rotation pin hole is shown at six o'clock position for reference only. The actual location is determined by the customer's application. Refer to the front view of the potentiometer to see the location of the optional A/R pin.

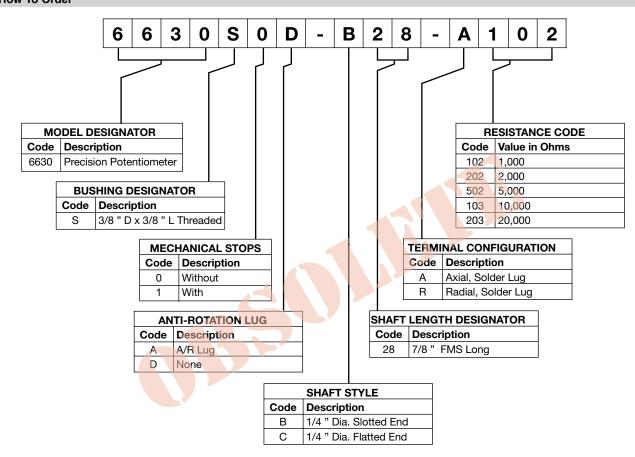
Panel thickness and hole diameters are recommended for best fit. However, customers may adjust the dimensions to suit their specific application.

DIMENSIONS:  $\frac{MM}{(INCHES)}$ TOLERANCES:  $\pm \frac{0.127}{(.005)}$ 

# 6630 - Precision Potentiometer

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### **How To Order**



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