

Features

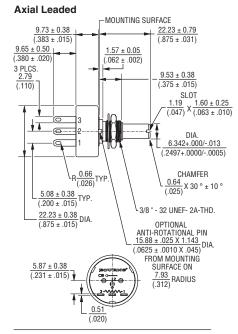
- Lower profile than Model 6639
- Essentially infinite resolution
- Excellent rotational life
- High quality, rugged construction
- Recommended for HMI applications
- Cost and space saving

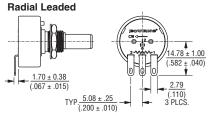
- Optional anti-rotation lug
- Optional mechanical stop

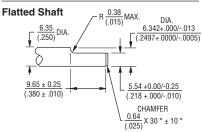
6630 - Precision Potentiometer

Electrical Characteristics¹ Standard Hesistance Hange. 1K to 20K ohms Total Resistance Tolerance. ±15 % Independent Linearity. ±2.0 % Effective Electrical Angle 340 °+3 ° End Voltage. 0.5 % maximum Output Smoothness. 0.1 % Dielectric Withstanding Voltage (MIL-STD-202, Method 301) Power Rating (Voltage Limited By Power Dissipation or 300 VAC, Whichever is Less) +125 °C 0 watt Insulation Resistance (500 VDC) 10 megohms minimum Environmental Characteristics¹ Operating Temperature Range -40 °C to +125 °C Storage Temperature Range -65 °C to +125 °C Temperature Coefficient ±500 ppm/°C maximum Vibration 15 G Wiper Bounce 0.1 millisecond maximum Total Resistance Shift.....±5 % Voltage Ratio Shift.....±0.5 % Vollage Ratio Shift ±0.5 % Shock 50 G Wiper Bounce 0.1 millisecond maximum Total Resistance Shift ±5 % Voltage Ratio Shift ±0.5 % Load Life 1,000 hours, 1 watt Total Resistance Shift ±10 % Rotational Life (No Load) 5,000,000 shaft revolutions Total Resistance Shift ±10 % maximum Total Resistance Shift......±15 % IP Rating......IP 40 Mechanical Characteristics¹ No wash process to be used with no clean flux. Marking......Manufacturer's name and part number, resistance value and tolerance, linearity tolerance, wiring diagram, and date code. is shipped with potentiometer.

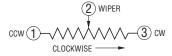
Product Dimensions







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



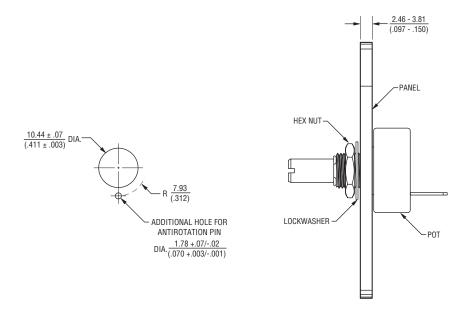
¹ At room ambient: +25 °C nominal and 50 % relative humidity, except as noted.

² 2.82 N-cm (4.0 oz.-in.) max. at -40 °C.

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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.

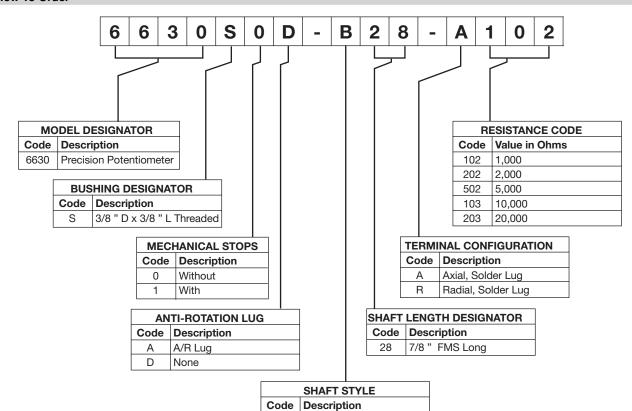
Panel thickness and hole diameters are recommended for best fit. However, customers may adjust the dimensions to suit their specific application.

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

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BOURNS

How To Order



В

С

1/4 " Dia. Slotted End

1/4 " Dia. Flatted End