

Features

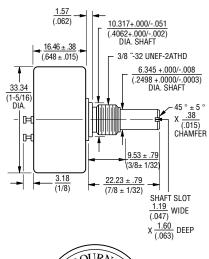
- Bushing mount
- Shaft supported by front sleeve bearing
- Non-standard features and specifications available

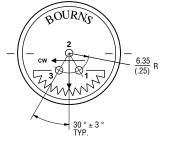
6657 - Precision Potentiometer

Electrical Characteristics ¹	
Standard Resistance Range	
Total Resistance Tolerance	
Independent Linearity	
Effective Electrical Angle	
End Voltage	
Output Smoothness	
Dielectric Withstanding Voltage (MIL-STD-202, Method 30 Sea Level	
Power Rating (Voltage Limited By Power Dissipation or 30 +70 °C	0 VAC, Whichever is Less)
+125 °C	
Insulation Resistance (500 VDC)	
Resolution	
Environmental Characteristics ¹	
Operating Temperature Range	-40 °C to +125 °C
Storage Temperature Range	-65 °C to +125 °C
Temperature Coefficient Over Storage Temperature Range	±500 ppm/°C maximum
Vibration	15 G
Wiper Bounce	
Total Resistance Shift	±5 % maximum
Voltage Ratio Shift	
Shock	
Wiper Bounce	
Total Resistance Shift	
Voltage Ratio Shift	
Load Life Total Resistance Shift	1,000 nours, 1.5 watts
Rotational Life (No Load)	
Total Resistance Shift	
Moisture Resistance (MIL-STD-202, Method 106)	±10 /0 maximum
Total Resistance Shift	±15 % maximum
IP Rating	
Mechanical Characteristics ¹	
Mechanical Angle	
Torque (Starting & Running)	
Mounting	
Shaft Runout	
Shaft Radial Play	
Backlash	
Weight	
Terminals	
Soldering Condition	71
Manual Soldering96.5Sn/3.0Ag/0.5	Cu solid wire or no-clean rosin cored wire
•	370 °C (700 °F) max, for 3 seconds
Wave Soldering96.	5Sn/3.0Ag/0.5Cu solder with no-clean flux
Wash processes	260 °C (500 °F) max. for 5 seconds
Wash processes	Not recommended
Marking Manufacturer's name and par	rt number, resistance value and tolerance,
linearity	tolerance, wiring diagram, and date code.
linearity tolerance, wiring diagram, and date code. Ganging (Multiple Section Potentiometers)	
is shipped with each potentiometer.	
	is shipped with each potentiometer.
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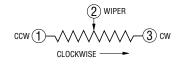
¹At room ambient: +25 °C nominal and 50 % relative humidity nominal, except as noted.

Product Dimensions





TOLERANCES: EXCEPT WHERE NOTED DECIMALS: .XX $\pm \frac{.51}{(.02)}$, .XXX $\pm \frac{.13}{(.005)}$ FRACTIONS: $\pm 1/64$ DIMENSIONS: $\frac{MM}{(IN,)}$



Recommended Part Numbers

Part Number*	Resistance (Ω)
6657S-1-102	1,000
6657\$-1-202	2,000
6657\$-1-502	5,000
6657S-1-103	10,000

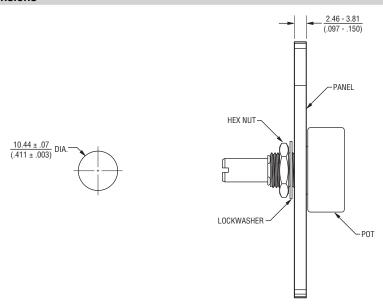
BOLDFACE LISTINGS ARE IN STOCK AND READILY AVAILABLE THROUGH DISTRIBUTION.

FOR OTHER OPTIONS CONSULT FACTORY.



6657 - Precision Potentiometer

Panel Thickness Dimensions



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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