

# SO30B Wirewound Oil Filled Potentiometer



For more information about this product, visit our website at: [www.potentiometers.com](http://www.potentiometers.com)



**Series SO30B Oil-Filled potentiometers feature Wirewound elements and glass headers on terminals**

## Features

- Wirewound resistive element
- O-Ring Shaft Seal. Sealed Body. Oil Filled
- Stainless steel shaft, Plated Brass Bushing
- Glass headers on terminals
- Submersible to 15 psi

## Electrical Specifications

Resistance Range: 50 to 20K ohms standard  
Resistance Tolerance:  $\pm 10\%$   
Independent Linearity:  $\pm 1\%$   
Electrical Rotation:  $280^\circ \pm 5^\circ$   
Power Rating: 0.75 watts  
Insulation Resistance: 100 Megohms @ 1000VDC  
Dielectric Strength: 1000 VAC  
Contact Resistance Variation: Less than 2%  
Output Smoothness: Less than 0.1% of Input Voltage

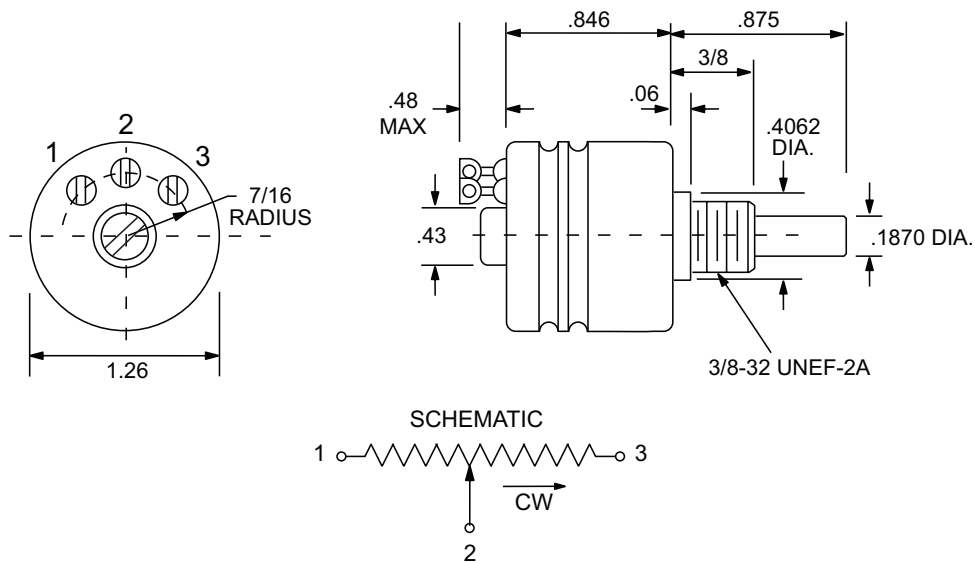
## Mechanical Specifications

Mechanical Rotation: Continuous  
Torque: 4.2 oz. in. Max  
Weight: 1.5 oz.  
Rotational Life: 200,000 Turns rated

## Environmental Specifications

Operating Temperature:  $-20^\circ\text{C}$  to  $+60^\circ\text{C}$   
Vibration: 10HZ to 2000HZ 10G  
Shock: 30G 11MS  
Moisture Resistance:  $40^\circ\text{C}$  95%RH 2000 Hours.  
Submersible to 15 PSI

# SO30B Wirewound Oil Filled Potentiometer



## Ordering Information

Example Part Number: **SO30B-10K-CT**

SO30B	10K	CT
<b>Model</b>	<b>Resistance</b>	<b>Options</b>
<b>SO30B</b>	<b>50</b> = 50 ohms <b>100</b> = 100 ohms <b>200</b> = 200 ohms <b>500</b> = 500 ohms <b>1K</b> = 1K ohms <b>2K</b> = 2K ohms <b>5K</b> = 5K ohms <b>10K</b> = 10K ohms <b>20K</b> = 20K ohms	<b>CT</b> = Center Tap <b>BB</b> = Ball Bearings

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