



#### Series SOP30B Oil-Filled potentiometers feature Conductive Plastic elements and glass headers on terminals

#### **Features**

- Conductive Plastic 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

1K to 100K ohms standard

Resistance Tolerance

±10%

Independent Linearity

±1%

Resolution

**Essentially Infinite** 

**Electrical Rotation** 

 $280^{\circ} \pm 5^{\circ}$ 

Power Rating

1 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

10,000,000 Turns rated

# **Environmental Specifications**

Operating Temperature

 $-30^{\circ}$ C to  $+60^{\circ}$ C

Vibration

10HZ to 2000HZ 10G

Shock

30G 11MS

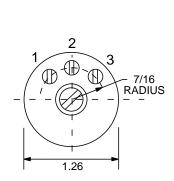
Moisture Resistance

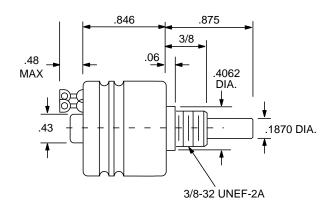
40°C 95%RH 2000 Hours.

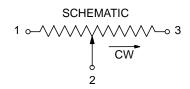
Submersible to 15 PSI

## SOP30B

1 watt, Oil Filled - 1.26 inch diameter

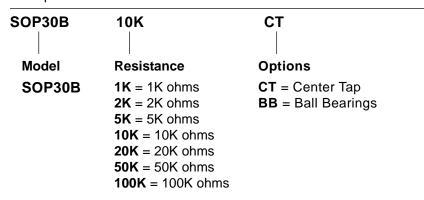






### **Ordering Information**

Example Part Number: SOP30B-10K-CT



On-line Quotations are available at http://www.potentiometers.com



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http://www.state-elec.com http://www.potentiometers.com