

SOP30B

1 watt, Oil Filled - 1.26 inch diameter



*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
 $\pm 10\%$
- Independent Linearity
 $\pm 1\%$
- 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°C to $+60^\circ\text{C}$

Vibration
10HZ to 2000HZ 10G

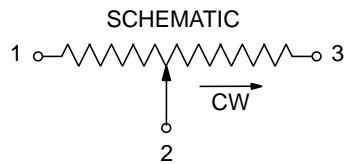
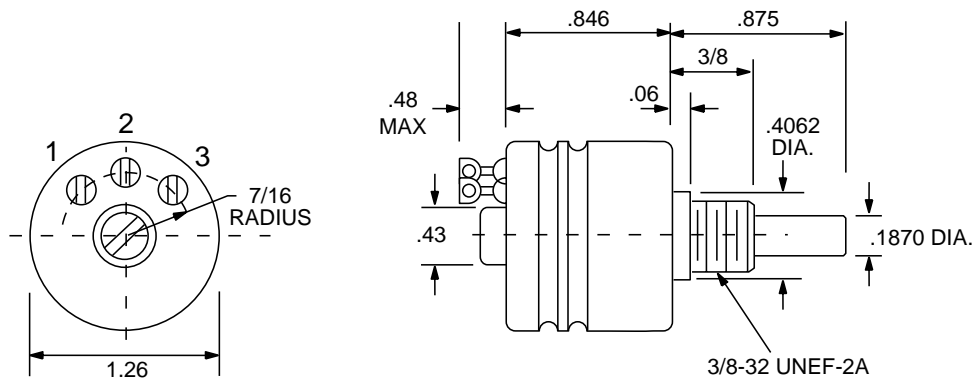
Shock
30G 11MS

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**

SOP30B	10K	CT
Model	Resistance	Options
SOP30B	1K = 1K ohms 2K = 2K ohms 5K = 5K ohms 10K = 10K ohms 20K = 20K ohms 50K = 50K ohms 100K = 100K ohms	CT = Center Tap BB = Ball Bearings

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



36 Route 10 East Hanover, NJ 07936
 (800) 631-8083 Local: (973) 887-2550
 e-Mail: sales@state-elec.com
<http://www.state-elec.com> <http://www.potentiometers.com>