**SOP30B**
1 watt, Oil Filled - 1.26 inch diameter

**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° ±5°
- 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°C
- Vibration
  - 10HZ to 2000HZ 10G
- Shock
  - 30G 11MS
- Moisture Resistance
  - 40°C 95%RH 2000 Hours.
  - Submersible to 15 PSI

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

1 watt, Oil Filled - 1.26 inch diameter

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### Ordering Information

Example Part Number: **SOP30B-10K-CT**

<table>
<thead>
<tr>
<th>SOP30B</th>
<th>10K</th>
<th>CT</th>
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<tbody>
<tr>
<td><strong>Model</strong></td>
<td><strong>Resistance</strong></td>
<td><strong>Options</strong></td>
</tr>
<tr>
<td>SOP30B</td>
<td>1K = 1K ohms</td>
<td>CT = Center Tap</td>
</tr>
<tr>
<td></td>
<td>2K = 2K ohms</td>
<td>BB = Ball Bearings</td>
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<tr>
<td></td>
<td>5K = 5K ohms</td>
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<td>10K = 10K ohms</td>
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On-line Quotations are available at [http://www.potentiometers.com](http://www.potentiometers.com)