SMR46 Multi-Turn Wirewound SwitchPot

For more information about this product, visit our website at: www.potentiometers.com

Series SMR46B potentiometers feature
3, 5, 10, 15, 20 & 30-Turn Wirewound elements and isolated snap action switches

Features
- Wirewound Resistive Element
- Isolated Snap Action Switches at each end
- 3, 5, 10, 15, 20, 30 turn models
- Aluminum Anodized Housing
- Stainless steel shaft, brass bushing
- Silver plated terminals
- Bushing bearings

Optional Features:
- Servo mount, Limit Switches,
- O-Ring Shaft Seal, Sealed Body

Mechanical Specifications
- Mechanical Rotation (Tolerance +10°-0°):
  3 Turn: 1080°  15 Turn: 5400°
  5 Turn: 1800°  20 Turn: 7200°
  10 Turn: 3600°  30 Turn: 10800°
- Rotational Torque: 2.8 oz. in. Max
- Rotational Life:
  3 Turn: 600,000 Turns
  5 Turn: 1,000,000 Turns
  10, 15, 20, 30 Turn: 2,000,000 Turns

Electrical Specifications
- Resistance Range: 50 ohm to 1Meg ohms standard
- Resistance Tolerance: ±5%
- Independent Linearity:
  3 Turn: ±.5%
  5 Turn: ±.5%
  10, 15, 20, 30 Turn: ±.25%
- Power Rating:
  3 Turn: 2 watt
  5 Turn: 2.5 watt
  10, 15, 20, 30 Turn: 5 watts
- Insulation Resistance:
  100 Megohms@1000VDC
- Dielectric Strength: 1,000 VAC
- Electrical Angle (Tolerance ±5°):
  3 Turn: 1080°  15 Turn: 5400°
  5 Turn: 1800°  20 Turn: 7200°
  10 Turn: 3600°  30 Turn: 10800°

Environmental Specifications
- Operating Temperature: -55°C to +105°C
- Vibration: 10HZ to 2000HZ 15G
- Shock: 50G 11ms
- Moisture Resistance: 40°C 95%RH 120 Hours
SMR46 Multi-Turn Wirewound SwitchPot

Example Part Number: SMR46B-10-10K

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<thead>
<tr>
<th>SMR46</th>
<th>B</th>
<th>10</th>
<th>2</th>
<th>10K</th>
<th>SS</th>
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<tbody>
<tr>
<td>Model</td>
<td>Mount</td>
<td>Turns</td>
<td>Switch</td>
<td>Resistance</td>
<td>Option</td>
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<tr>
<td>SMR46</td>
<td>B = Bushing</td>
<td>3 = 3 Turns</td>
<td>1 = Single CCW</td>
<td>100 = 100 ohms</td>
<td>SS = O-Ring Shaft Seal</td>
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<td>S = Servo</td>
<td>5 = 5 Turns</td>
<td>2 = Two Switches</td>
<td>200 = 200 ohms</td>
<td>SB = Sealed Body</td>
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<td>10 = 10 Turns</td>
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<td>1Meg = 1Megohms</td>
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Note:
- Maximum Resistance Values:
  - 3 turn, 5 turn - Max. 100K
  - 10 turn - Max. 300K
  - 15 turn - Max. 200K
  - 20 turn - Max. 500K
  - 30 turn - Max. 1 Meg

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