Features
- PC pin or solder lug terminals
- Rotary switch option
- Metal shaft styles
- Carbon element
- Audio, linear, and reverse audio tapers
- RoHS compliant*

PDB184 - 17 mm Rotary Potentiometer w/Rotary Switch

Electrical Characteristics
- Taper: Linear, audio
- Standard Resistance Range: 1 K ohms to 1 M ohms
- Standard Resistance Tolerance: ±20 %
- Residual Resistance: 1 % max.

Environmental Characteristics
- Operating Temperature: -10 °C to +50 °C
- Power Rating:
  - Linear: 0.125 watt
  - Audio: 0.06 watt
- Maximum Operating Voltage:
  - Linear: 200 V
  - Audio: 150 V
- Sliding Noise: 47 mV max.

Mechanical Characteristics
- Mechanical Angle: 300 ° ±5 °
- Rotational Torque: 30 to 100 g-cm
- Stop Strength: 5 kg-cm min.
- Rotational Life: 15,000 cycles
- Switch Life: 15,000 cycles
- Switch Type: SPDT
- Switching Angle: 50 ° max.
- Soldering Condition: 260 °C max. within 3 seconds
- Hardware: One flat washer and mounting nut supplied per potentiometer with bushing

Derating Curve

Standard Resistance Table

<table>
<thead>
<tr>
<th>Resistance (Ohms)</th>
<th>Resistance Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,000</td>
<td>102</td>
</tr>
<tr>
<td>2,000</td>
<td>202</td>
</tr>
<tr>
<td>5,000</td>
<td>502</td>
</tr>
<tr>
<td>10,000</td>
<td>103</td>
</tr>
<tr>
<td>20,000</td>
<td>203</td>
</tr>
<tr>
<td>50,000</td>
<td>503</td>
</tr>
<tr>
<td>100,000</td>
<td>104</td>
</tr>
<tr>
<td>200,000</td>
<td>204</td>
</tr>
<tr>
<td>500,000</td>
<td>504</td>
</tr>
<tr>
<td>1,000,000</td>
<td>105</td>
</tr>
</tbody>
</table>

Schematic

PDB184 - 17 mm Rotary Potentiometer w/Rotary Switch

Product Dimensions

Tapers

Schematic

How To Order

Model
PDB184 - K 4 25 K - 103 A1

Terminal Configuration (Pin Layout)
(see individual drawings)
• K = PC Pins Vertical/Down Facing (12.5 mm)
• S = Solder Lugs Vertical/Down Facing

Detent Option
• 4 = No Detents

Standard Shaft Length
• 20 = 20 mm • 25 = 25 mm • 30 = 30 mm

Shaft Style
• K = Metal Knurled Type Shaft – 18 Toothed Serration Type

Resistance Code (See Table)

Resistance Taper (See Taper Charts)

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