**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>

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**WARNING**
Cancer and Reproductive Harm
www.P65Warnings.ca.gov
Applications

- Amplifiers
- Mixers
- Drum machines
- Synthesizers

PDB184 - 17 mm Rotary Potentiometer w/Rotary Switch

Product Dimensions

PDB184-S

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIA. MOUNTING SURFACE</td>
<td>7.2 ± 0.3 (0.283 ± 0.012)</td>
</tr>
<tr>
<td>M7 X 0.75</td>
<td>6.0 ± 0.3 (0.236 ± 0.012)</td>
</tr>
<tr>
<td>2.0 ± 0.3</td>
<td>0.5 (0.020)</td>
</tr>
<tr>
<td>3.0 ± 0.3</td>
<td>0.5 (0.020)</td>
</tr>
<tr>
<td>6.0 ± 0.3 (0.236 ± 0.012)</td>
<td></td>
</tr>
<tr>
<td>1.2 ± 0.3 (0.047 ± 0.012)</td>
<td></td>
</tr>
<tr>
<td>2.8 ± 0.3 (0.110 ± 0.012)</td>
<td></td>
</tr>
<tr>
<td>FULL CCW 30 °</td>
<td></td>
</tr>
</tbody>
</table>

Tapers

A Taper

B Taper

C Taper

How To Order

PDB184 - K 4 25 K - 103 A1

Model

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)

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