Features
- PC pin or solder lug terminals
- Push-pull switch option
- Metal shaft styles
- Carbon element
- Wide range of resistance tapers
- RoHS compliant*

PDB183 - 17 mm Rotary Potentiometer w/Push-Pull 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: 0.2 watt
  - Audio: 0.1 watt
- Maximum Operating Voltage:
  - Linear: 200 V
  - Audio: 150 V
- Sliding Noise: 47 mV max.

Mechanical Characteristics
- Mechanical Angle: ±5°
- Rotational Torque: 30 to 100 g-cm
- Stop Strength: 5 kg-cm
- Rotational Life: 15,000 cycles
- Switch Life: 15,000 cycles
- Switch Type: DPDT
- Switch Travel: 4.3 ± 0.2 mm (0.169 ± 0.008 in.)
- Soldering Condition: 260 °C max. within 3 seconds

Hardware:
- One flat washer and mounting nut supplied per potentiometer with bushing

Derating Curve
- Ambient Temperature (°C)
- Rating Power Ratio (%)

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>
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<tr>
<td>50,000</td>
<td>503</td>
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<td>204</td>
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<tr>
<td>500,000</td>
<td>504</td>
</tr>
<tr>
<td>1,000,000</td>
<td>105</td>
</tr>
</tbody>
</table>

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

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Applications
■ Electric guitars
■ Amplifiers/mixers/drum machines/synthesizers

PDB183 - 17 mm Rotary Potentiometer w/Push-Pull Switch

Product Dimensions

<table>
<thead>
<tr>
<th>PDB183-S</th>
<th>PDB183-xxxxP</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Diagram" /></td>
<td><img src="image2" alt="Diagram" /></td>
</tr>
</tbody>
</table>

Tapers

<table>
<thead>
<tr>
<th>A Series Tapers</th>
<th>B Series Tapers</th>
<th>C Series Tapers</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image3" alt="Diagram" /></td>
<td><img src="image4" alt="Diagram" /></td>
<td><img src="image5" alt="Diagram" /></td>
</tr>
</tbody>
</table>

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PDB183 - 17 mm Rotary Potentiometer w/Push-Pull Switch

**Typical Part Marking**

**How To Order**

PDB183 - 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 Horizontal/Rear Facing
- **Detent Option**
  - 2 = Center Detent
  - 4 = No Detents
- **Standard Shaft Length**
  - 20 = 20 mm
  - 25 = 25 mm
  - 30 = 30 mm
- **Shaft Style**
  - K = Metal Knurled Type Shaft
  - P = Metal Plain Type Shaft
- **Resistance Code** (See Table)
  - Resistance Taper (See Taper Charts)
  - Taper Series followed by Curve Number

**Specifications**

- **DIMENSIONS:** MM (INCHES)
  - 4.37 (0.172)
  - 6.0 (0.197)

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