### Features
- Split knurled or plain shaft options
- DPDT push-pull switch
- Metal bushing and shaft
- Carbon element
- Linear and audio taper options
- RoHS compliant

### PDB183-GTR - 17 mm Guitar Potentiometer w/ Push-Pull Switch

#### Electrical Characteristics
- **Taper**: Linear, audio
- **Standard Resistance Range**: 10K ohms to 1M 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**: 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**: DPDT
- **Switch Travel**: 4.3 ± 0.2 mm (.169 ± .008 in.)

#### Soldering Condition
- **Manual/Wave**: 260 °C max. for 3 seconds max.
- **Wash**: Not recommended

#### Hardware
- Two flat washers and two mounting nuts supplied per potentiometer

#### Derating Curve

![Derating Curve Graph](Image)

#### Standard Resistance Table

<table>
<thead>
<tr>
<th>Resistance (Ohms)</th>
<th>Resistance Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>10,000</td>
<td>103</td>
</tr>
<tr>
<td>25,000</td>
<td>253</td>
</tr>
<tr>
<td>50,000</td>
<td>503</td>
</tr>
<tr>
<td>100,000</td>
<td>104</td>
</tr>
<tr>
<td>250,000</td>
<td>254</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>


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PDB183-GTR - 17 mm Guitar Potentiometer w/Push-Pull Switch

Product Dimensions

PDB183-GTR03, PDB183-GTR04

Dimensions: (MM) (INCHES)

Circuit

Single Gang

Dual Gang

Switch

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# PDB183-GTR - 17 mm Guitar Potentiometer w/Push-Pull Switch

## Product Dimensions

### PDB183-GTR11, PDB183-GTR13

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value (mm)</th>
<th>Value (inch)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUT DIA.</td>
<td>6.0 ± 0.3</td>
<td>.236 ± .012</td>
</tr>
<tr>
<td>24 TEETH</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### PDB183-GTR21, PDB183-GTR22

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value (mm)</th>
<th>Value (inch)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUT DIA.</td>
<td>6.0 ± 0.3</td>
<td>.236 ± .012</td>
</tr>
<tr>
<td>18 TEETH</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### PDB183-GTR31, PDB183-GTR32

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value (mm)</th>
<th>Value (inch)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUT DIA.</td>
<td>6.0 ± 0.3</td>
<td>.236 ± .012</td>
</tr>
<tr>
<td>18 TEETH</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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PDB183-GTR - 17 mm Guitar Potentiometer w/Push-Pull Switch

Tapers

A Series Tapers

B0 Taper

C2 Taper

Typical Part Marking

DIMENSIONS: MM (INCHES)

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