**Features**

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

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**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 Power Rating**:
  - (Resistive Load): 0.3 A @ 30 VDC
  - Switch Travel: 4.3 ± 0.2 mm (.169 ± .008 in.)
- **Soldering Condition**:
  - Wash: Not recommended
  - Hardware: Two flat washers and two mounting nuts supplied per potentiometer

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**How To Order**

**Model**

- PDB183 - GTR 01 - 504 A2

**Guitar Pot Designator**

- Configuration:
  - 01 = Knurled Shaft (18 Tooth) / Solder Lugs
  - 02 = Plain Shaft / Solder Lugs
  - 03 = Knurled Shaft (18 Tooth) / PC Pins
  - 04 = Plain Shaft/PC Pins
  - 05 = Knurled Shaft (18 Tooth) / Solder Lugs, 8 mm Bushing Diameter
  - 11 = Knurled Shaft (24 Tooth) / Solder Lugs
  - 13 = Knurled Shaft (24 Tooth) / PC Pins
  - 21 = Knurled Shaft (18 Tooth) / Solder Lugs / Dual Gang
  - 22 = Plain Shaft / Solder Lugs / Dual Gang
  - 31 = Knurled Shaft (18 Tooth) / Solder Lugs, Long Bushing
  - 32 = Plain Shaft / Solder Lugs / Long Bushing

**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>200,000</td>
<td>204</td>
</tr>
<tr>
<td>300,000</td>
<td>304</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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PDB183-GTR - 17 mm Guitar Potentiometer w/Push-Pull Switch

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Tapers

A Series Tapers

B0 Taper

C2 Taper

Typical Part Marking

Derating Curve

REV. 09/21
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