**Features**
- Carbon element
- Plain or knurled shaft option
- Metal bushing
- Metal shaft
- Rear solder lugs
- Compact size
- Dual gang option

**Electrical Characteristics**
- **Taper:** Linear, audio
- **Standard Resistance Range:** 10 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
  - Dual Section: 0.125 watt
  - Audio: 0.1 watt
  - Dual Section: 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:** 10 to 150 gf-cm
- **Stop Strength:** 5 kg-cm min.
- **Rotational Life:** 15,000 cycles
- **Soldering Condition:** 260 °C max. within 3 seconds
- **Hardware:** Two flat washers and two mounting nuts supplied per potentiometer

**Derating Curve**

**Product Dimensions**

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Additional Features
- Variety of resistance values
- Audio or linear taper option
- RoHS compliant*

PDB181-GTR Series - 17 mm Guitar Potentiometer

How to Order

PDB18 1 - GTR 01 - 103 A2

Model
Number of Sections
1 = Single Section
2 = Dual Section
Guitar Pot Designator
Configuration
01 = Knurled Shaft/Solder Lugs
02 = Plain Shaft/Solder Lugs
03 = Knurled Shaft (Long)/Solder Lugs
04 = Plain Shaft (Long)/Solder Lugs
Resistance Code (See Table)
Resistance Taper (See Taper Charts)

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>
</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>

REV. 12/11
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.

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