PDB241-GTR Series - 24 mm Guitar Potentiometer

Features
- Low torque
- Carbon element
- Plain or knurled shaft option
- Metal bushing
- Metal shaft
- Rear solder lugs
- Audio or linear taper options
- Variety of resistance values
- RoHS compliant*

Electrical Characteristics
Taper........................ Audio, linear
Standard Resistance........................ 10K to 1M ohms
Standard Resistance Tolerance...... ±20%

Environmental Characteristics
Operating Temperature.......................... -10 °C to +70 °C
Power Rating...................................... 0.25 watt
Maximum Operating Voltage............. 250 V
Rotational Noise............................. 150 mV max.

Mechanical Characteristics
Mechanical Angle................................. 300 ° ±5 °
Rotational Torque............................... 10 to 45 g-cm
Stop Strength................................. 8 kg-cm min.
Rotational Life................................. 15,000 cycles min.
Soldering Condition
Manual Soldering..........................300 °C within 3 seconds
Wave Soldering.............................280 °C within 3 seconds
Hardware.................................Two flat washers and two mounting nuts supplied per potentiometer

Derating Curve

Rating Power Ratio (%) vs Ambient Temperature (°C)

Standard Resistance Table

<table>
<thead>
<tr>
<th>Resistance (Ohms)</th>
<th>Resistance Code</th>
</tr>
</thead>
<tbody>
<tr>
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<td>013</td>
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<tr>
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<td>504</td>
</tr>
<tr>
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<td>105</td>
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</tbody>
</table>

How To Order

PDB24 1 - GTR 01 - 504 A2

- Model
- Number of Units 1 = Single
- 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)

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

* RoHS Directive 2015/863, Mar 31, 2015 and Annex. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.
PDB241-GTR Series - 24 mm Guitar Potentiometer

Taper Charts

Other tapers available.
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