

### **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\*

### PDB241-GTR Series - 24 mm Guitar Potentiometer

#### **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  $^{\circ}$  ±5  $^{\circ}$ Rotational Torque ......10 to 45 g-cm Stop Strength...... 8 kg-cm min. Rotational Life......15,000 cycles min. Soldering Condition

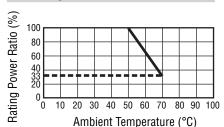
Manual Soldering

......300 °C within 3 seconds

Wave Soldering

......260 °C within 3 seconds Hardware ...... Two flat washers and two mounting nuts supplied per potentiometer

#### **Derating Curve**

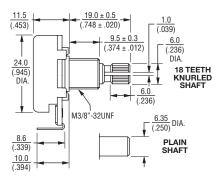


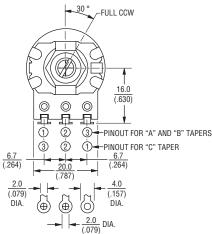
#### **Standard Resistance Table**

Resistance (Ohms)	Resistance Code
10,000	103
25,000	253
50,000	503
100,000	104
250,000	254
300,000	304
500,000	504
1,000,000	105

#### **Product Dimensions**

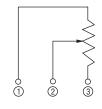
#### PDB241-GTR01



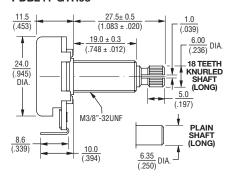


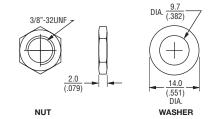


#### Circuit



#### PDB241-GTR03



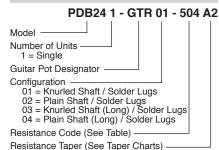


TOLERANCES:

UNDER  $\frac{10.0}{(.394)}$ 10.0 ~ 100 ±0.3  $\frac{10.0 \sim 100}{(.394 \sim 3.937)} = \frac{\pm 0.5}{(\pm .020)}$ 

> MM DIMENSIONS: (INCHES)

#### **How To Order**





WARNING Cancer and Reproductive Harm

www.P65Warnings.ca.gov

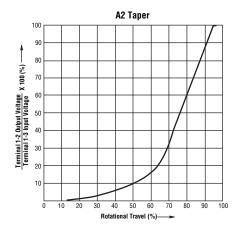
\*RoHS Directive 2015/863, Mar 31, 2015 and Annex. Specifications are subject to change without notice.

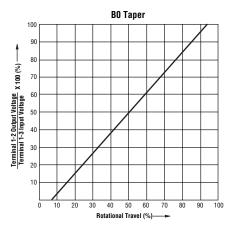
Users should verify actual device performance in their specific applications.

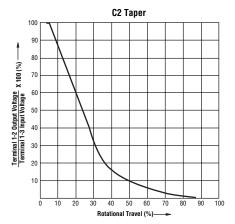
# PDB241-GTR Series - 24 mm Guitar Potentiometer

## **BOURNS**®

### **Taper Charts**







Other tapers available.

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