



## 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 %

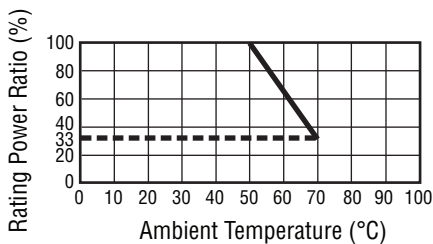
### Environmental Characteristics

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

### Derating Curve

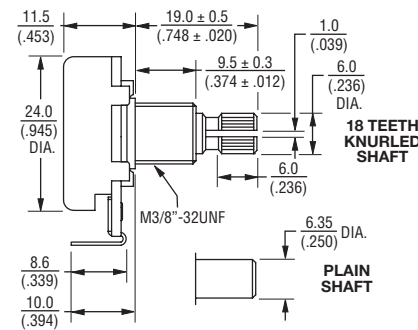


### Standard Resistance Table

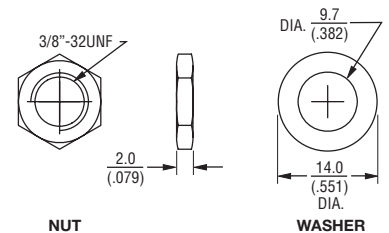
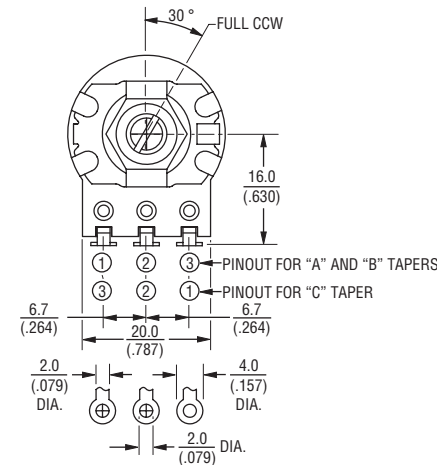
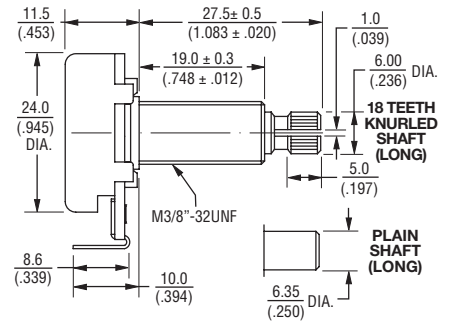
Resistance (Ohms)	Resistance Code
10,000	103
25,000	253
50,000	503
100,000	104
250,000	254
300,000	304
500,000	504
1,000,000	105

### Product Dimensions

#### PDB241-GTR01

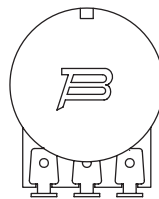


#### PDB241-GTR03

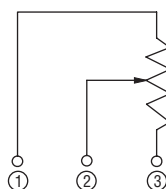


TOLERANCES:  
 UNDER 10.0 = ±0.3 / (±0.12)    10.0 ~ 100 = ±0.5 / (±0.20)

DIMENSIONS:    MM / (INCHES)



### Circuit



### 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](http://www.P65Warnings.ca.gov)

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

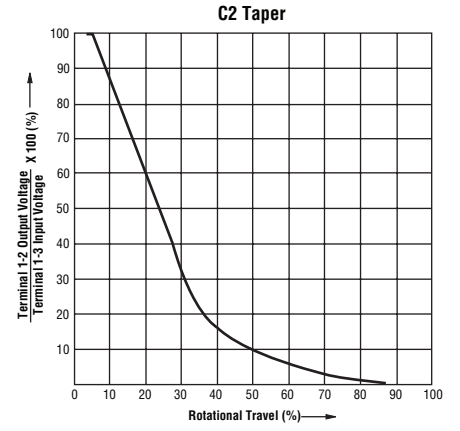
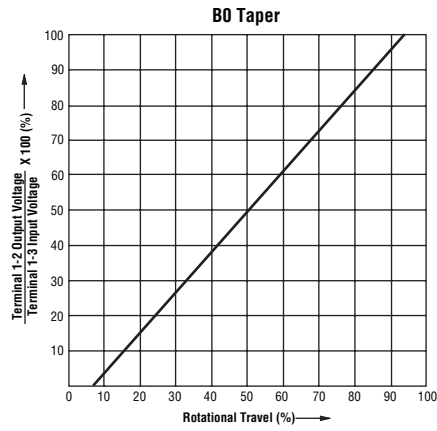
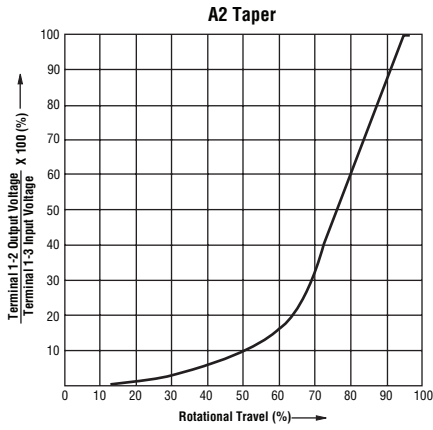
Users should verify actual device performance in their specific applications.

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# PDB241-GTR Series - 24 mm Guitar Potentiometer

**BOURNS®**

## Taper Charts



Other tapers available.

REV. 05/20

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