

## 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 %

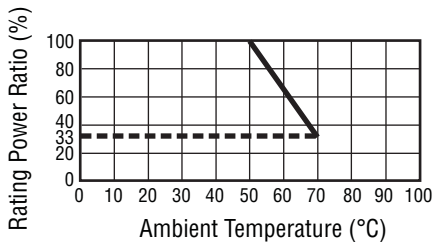
### Environmental Characteristics

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

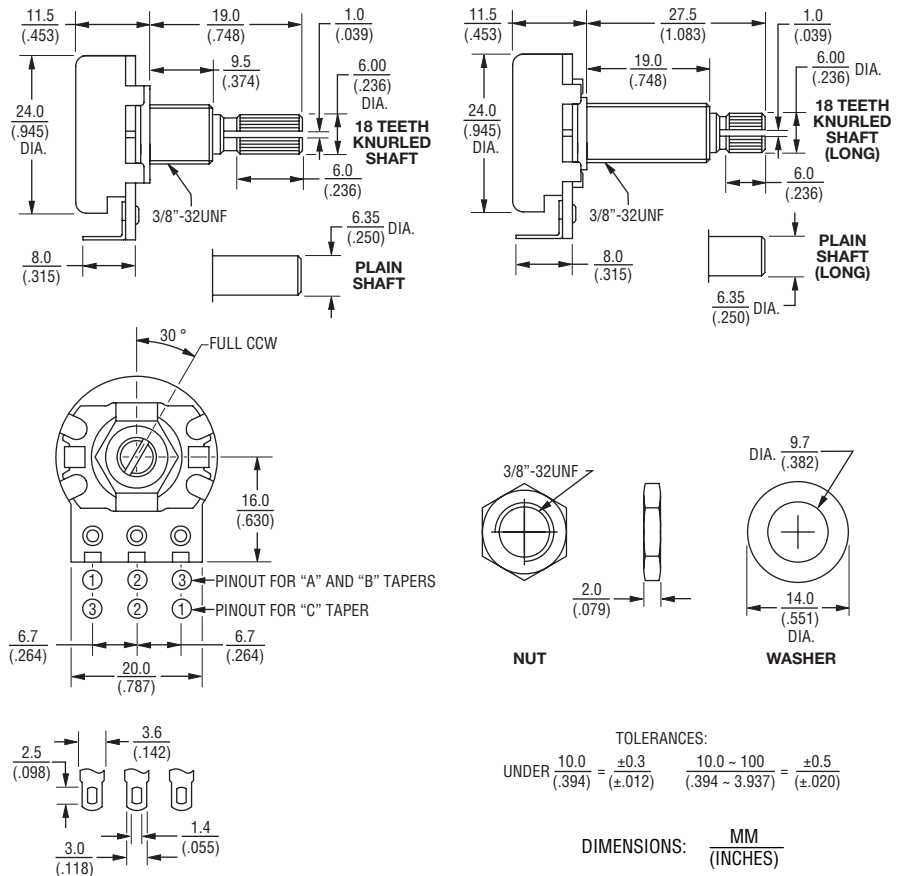
### Derating Curve



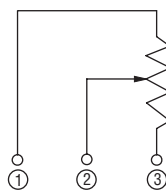
### Standard Resistance Table

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



### Circuit



### How To Order

**PDB241 - GTR 01 - 504 A2**

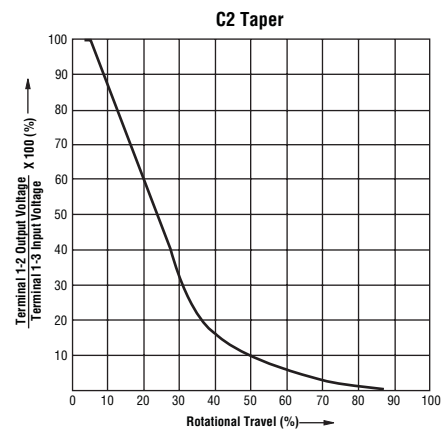
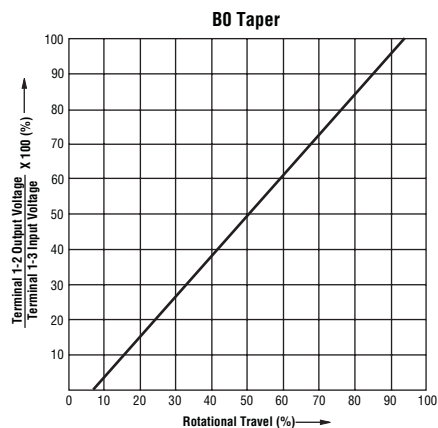
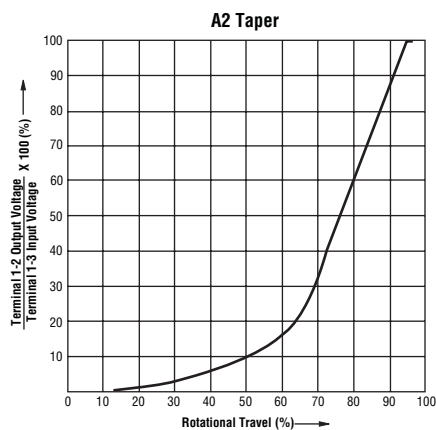
Model \_\_\_\_\_  
 Number of Units \_\_\_\_\_  
 1 = Single  
 Guitar Pot Designator \_\_\_\_\_  
 Configuration \_\_\_\_\_  
 1 = Knurled Shaft / Solder Lugs  
 2 = Plain Shaft / Solder Lugs  
 3 = Knurled Shaft (Long) / Solder Lugs  
 4 = Plain Shaft (Long) / Solder Lugs  
 Resistance Code (See Table) \_\_\_\_\_  
 Resistance Taper (See Taper Charts) \_\_\_\_\_

\*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.  
 Specifications are subject to change without notice.  
 Customers should verify actual device performance in their specific applications.

# PDB241-GTR Series - 24 mm Guitar Potentiometer

# BOURNS®

## Taper Charts



Other tapers available.