



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 Resistance10K to 1M ohms
Standard Resistance Tolerance..... $\pm 20\%$

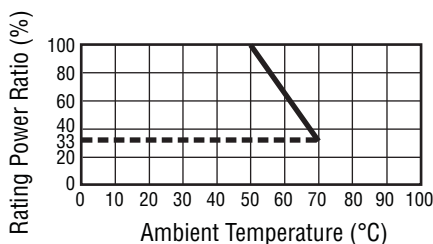
Environmental Characteristics

Operating Temperature -10°C to $+70^{\circ}\text{C}$
Power Rating0.25 watt
Maximum Operating Voltage250 V
Rotational Noise150 mV max.

Mechanical Characteristics

Mechanical Angle $300^{\circ} \pm 5^{\circ}$
Rotational Torque10 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
HardwareTwo flat washers and
two mounting nuts supplied
per potentiometer

Derating Curve

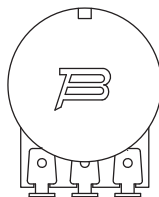
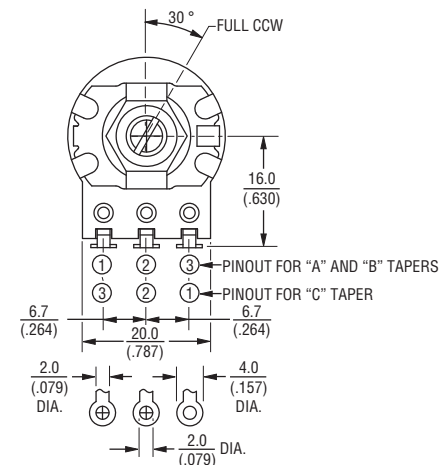
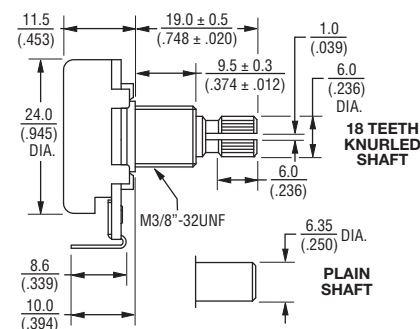


Standard Resistance Table

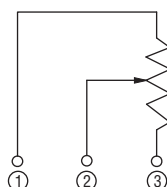
Resistance (Ohms)	Resistance Code
10,000	103
25,000	253
50,000	503
100,000	104
250,000	254
300,000	304
500,000	504
1,000,000	105

Product Dimensions

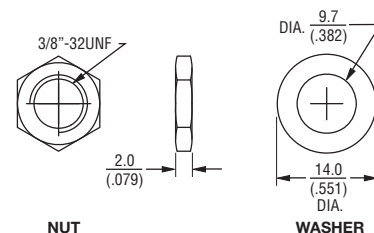
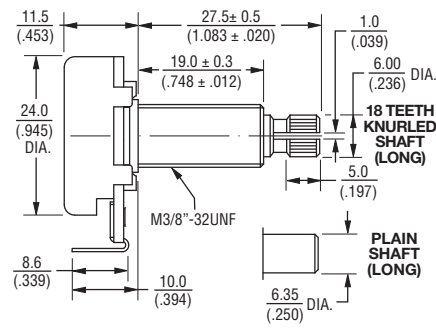
PDB241-GTR01



Circuit



PDB241-GTR03



TOLERANCES:
UNDER $\frac{10.0}{(.394)} = \frac{\pm 0.3}{(\pm 0.012)}$ $\frac{10.0 \sim 100}{(.394 \sim 3.937)} = \frac{\pm 0.5}{(\pm 0.020)}$

DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$

How To Order

PDB24 1 - 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.

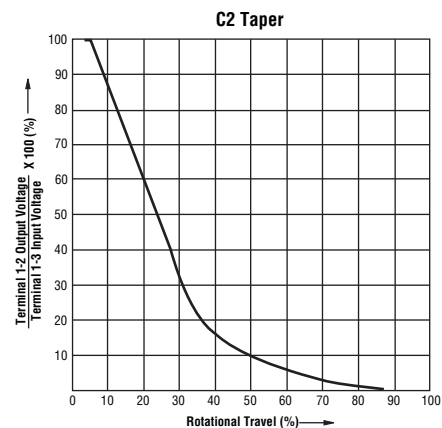
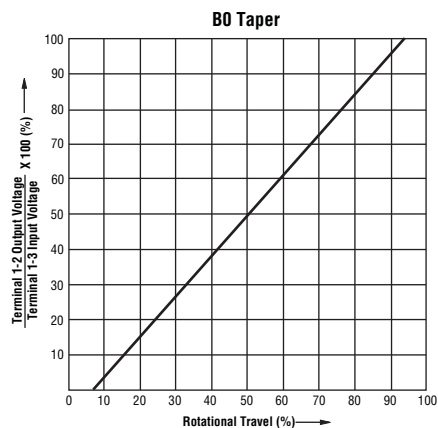
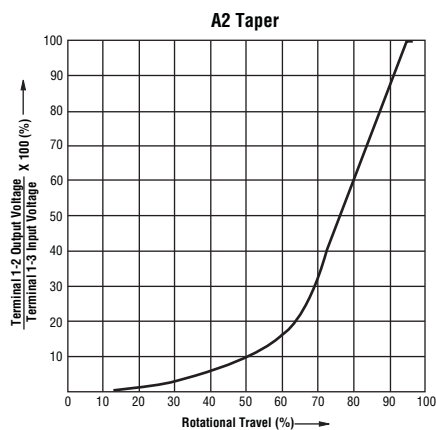
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

Users should verify actual device performance in their specific applications.

PDB241-GTR Series - 24 mm Guitar Potentiometer

BOURNS®

Taper Charts



Other tapers available.

REV. 11/13

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Mouser Electronics

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Bourns:

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