



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

Additional Information

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PRODUCT
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INVENTORY



SAMPLES



CONTACT

Electrical Characteristics

Taper.....Audio, linear
Standard Resistance.....10K to 1M ohms
Standard Resistance Tolerance..... $\pm 20\%$

Environmental Characteristics

Operating Temperature..... -10°C to $+70^{\circ}\text{C}$
Power Rating.....0.25 watt
Maximum Operating Voltage.....250 V
Rotational Noise.....150 mV max.

Mechanical Characteristics

Mechanical Angle..... $300^{\circ} \pm 5^{\circ}$
Rotational Torque.....10 to 45 g-cm
Stop Strength.....8 kg-cm min.
Rotational Life
Standard.....15,000 cycles min.
Extended.....100,000 cycles
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

BOURNS®

Asia-Pacific:

Tel: +886-2 2562-4117

Email: asiacus@bourns.com

Europe:

Tel: +36 88 885 877

Email: eurocus@bourns.com

Mexico:

Tel: +52 614 478 0400

Email: mexicus@bourns.com

The Americas:

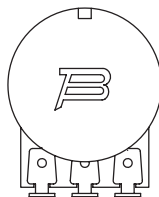
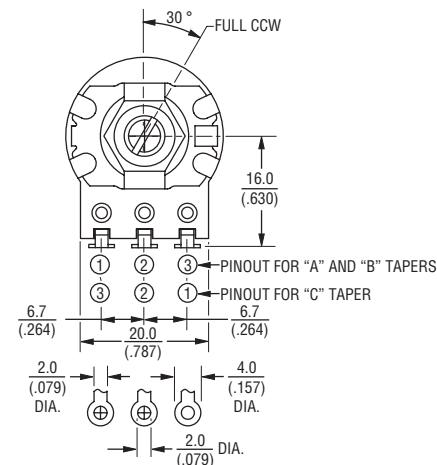
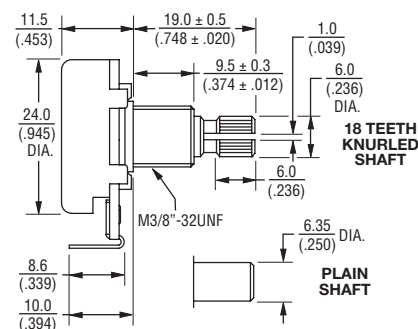
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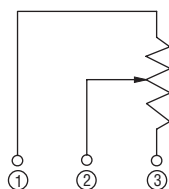
www.bourns.com

Product Dimensions

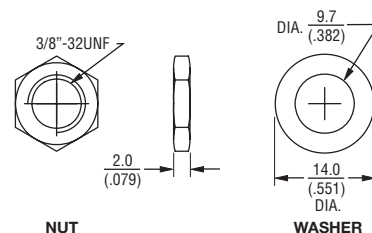
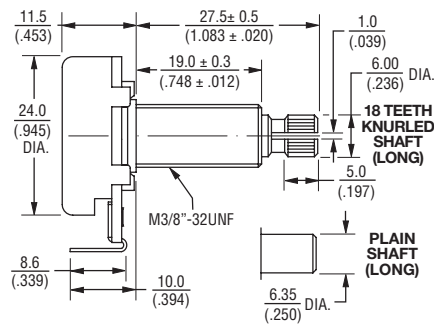
PDB241-GTR01



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 0 1 - 504 A2

Model _____
Number of Units _____
1 = Single
Guitar Pot Designator _____
Rotational Life _____
0 = 15,000 cycles min.
1 = 100,000 cycles
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) _____



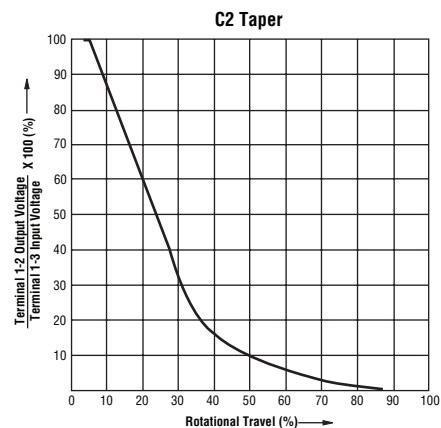
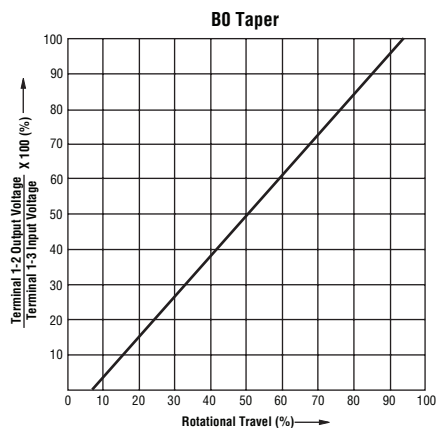
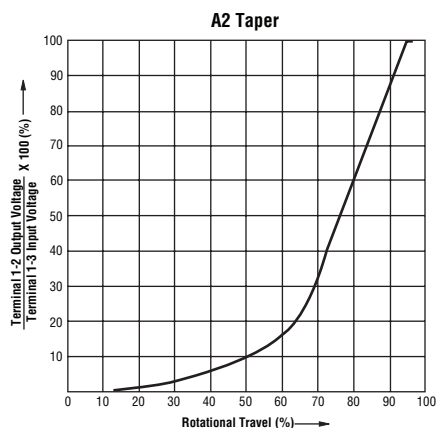
WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

*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

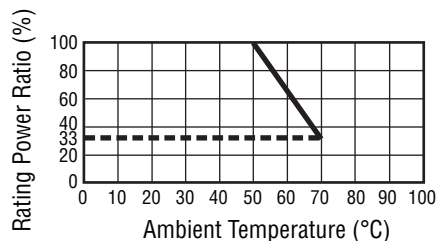
BOURNS®

Taper Charts



Other tapers available.

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

REV. 05/25

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