



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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INVENTORY



SAMPLES



CONTACT

Electrical Characteristics

Taper.....	Audio, linear
Standard Resistance	
.....	10K to 1M ohms
Standard Resistance Tolerance	
R ≤ 1 KΩ.....	±30%
1 KΩ < R < 1 MΩ.....	±20%
≥ 1 MΩ.....	±30%

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	
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



CALIFORNIA WARNING Can expose you to lead, a carcinogen and reproductive toxicant.

See www.P65Warnings.ca.gov

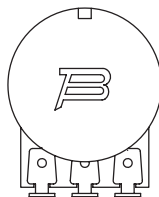
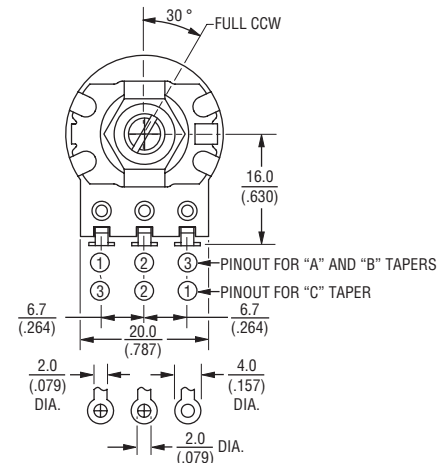
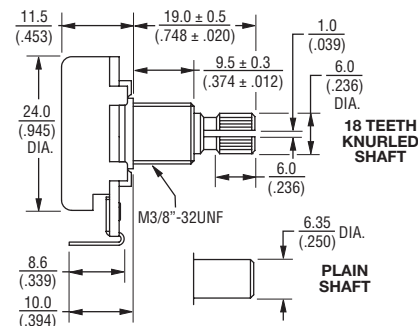
*RoHS Directive 2015/863, Mar 31, 2015 and Annex. Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

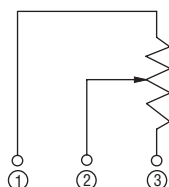
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Product Dimensions

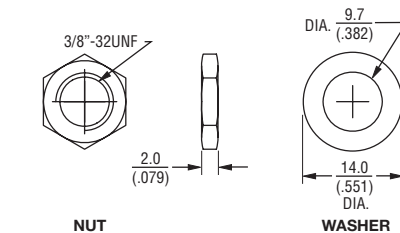
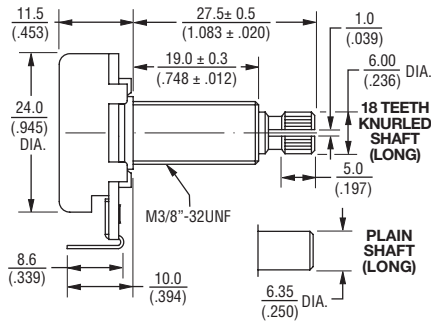
PDB241-GTR01



Circuit



PDB241-GTR03



TOLERANCES:
 UNDER 10.0 = ±0.3 / (.394) = (±.012)
 10.0 ~ 100 = ±0.5 / (.394 - 3.937) = (±.020)

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

How To Order

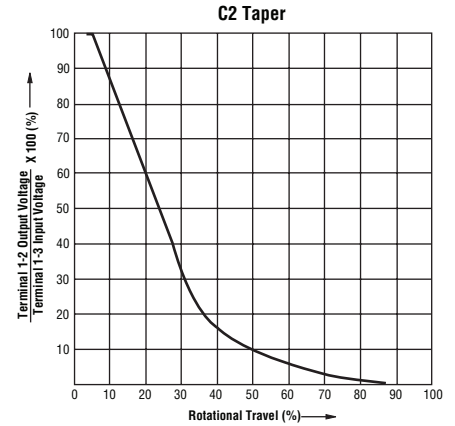
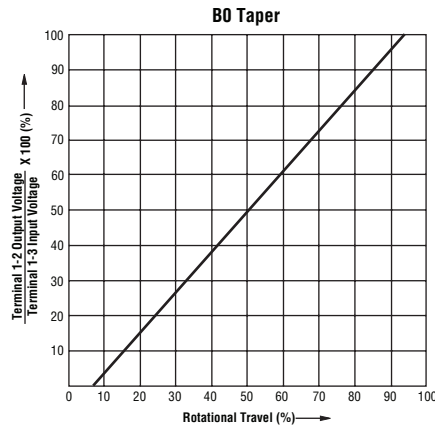
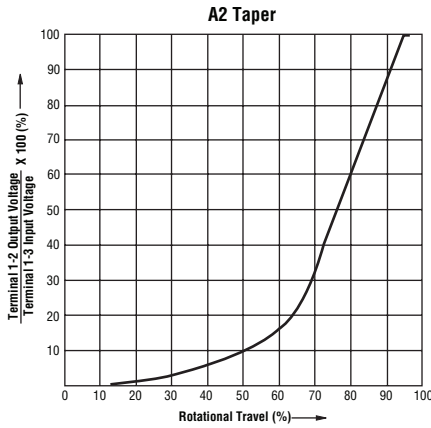
PDB24 1 - GTR 0 1 - 504 A2

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)	_____

PDB241-GTR Series - 24 mm Guitar Potentiometer

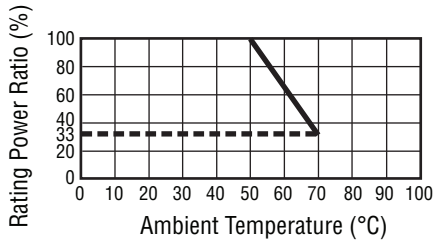
BOURNS®

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

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REV. 07/25

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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