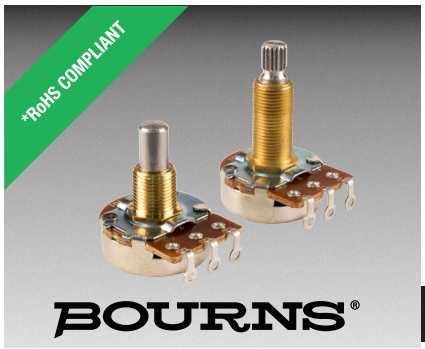


Features

- 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

Click these links for more information:

PRODUCT SELECTOR | TECHNICAL LIBRARY | 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.

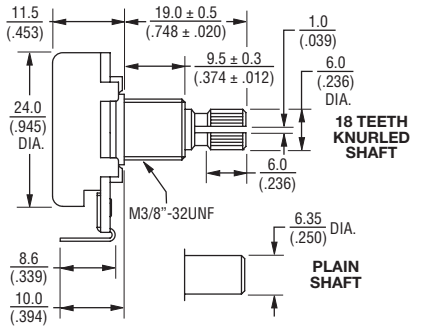
Specifications are subject to change without notice.

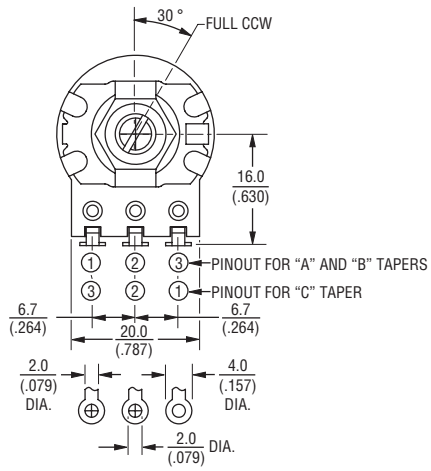
Users should verify actual device performance in their specific applications.

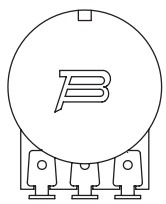
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Product Dimensions

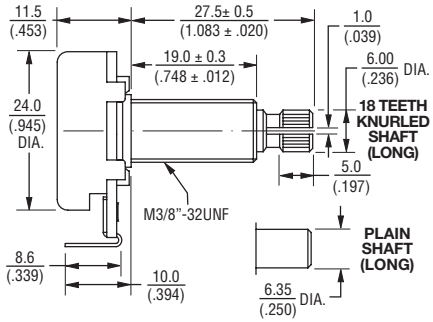
PDB241-GTR01

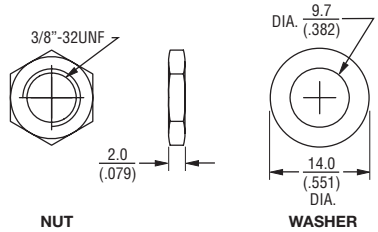






PDB241-GTR03





TOLERANCES:

UNDER 10.0 (.394) = ±0.3 (±.012) 10.0 ~ 100 (.394 ~ 3.937) = ±0.5 (±.020)

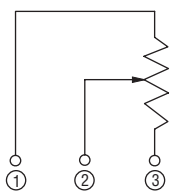
DIMENSIONS: MM (INCHES)

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)

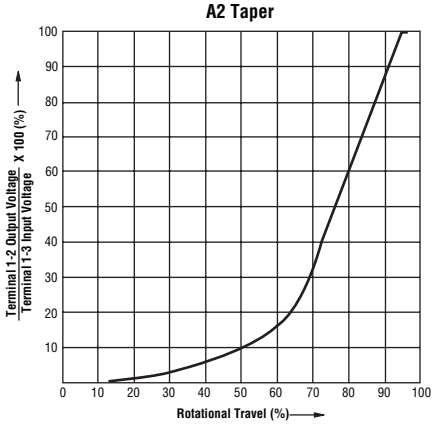
Circuit



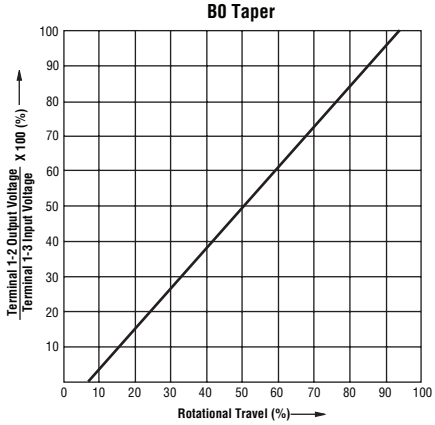
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Taper Charts

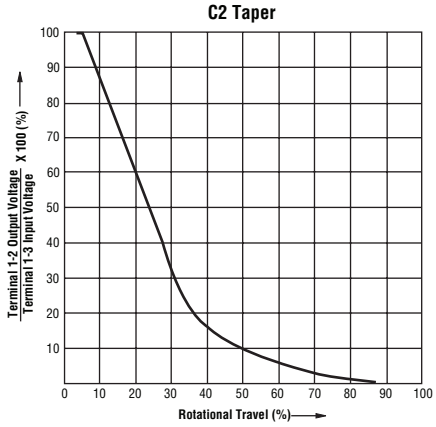
A2 Taper



B0 Taper

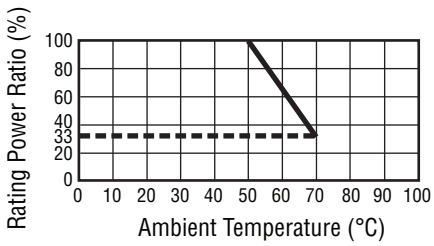


C2 Taper



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

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