



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:



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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 Rating0.25 watt
Maximum Operating Voltage250 V
Rotational Noise150 mV max.

Mechanical Characteristics

Mechanical Angle300 ° ±5 °
Rotational Torque10 to 45 g-cm
Stop Strength8 kg-cm min.
Rotational Life
Standard15,000 cycles min.
Extended100,000 cycles
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



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

See www.P65Warnings.ca.gov

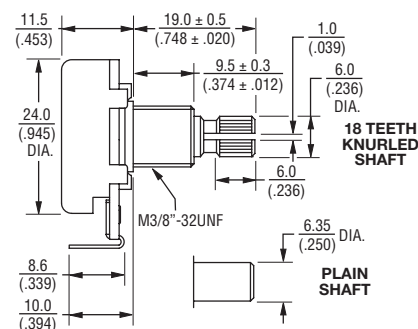
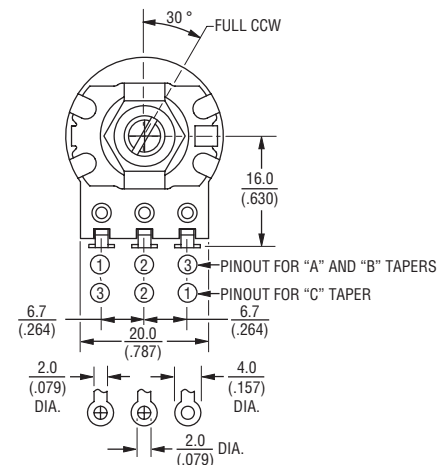
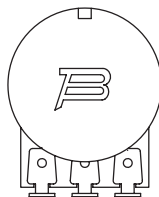
*RoHS Directive 2015/863, Mar 31, 2015 and Annex.
Specifications are subject to change without notice.

Users should verify actual device performance in their
specific applications.

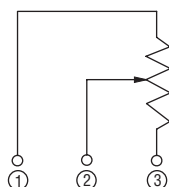
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Product Dimensions

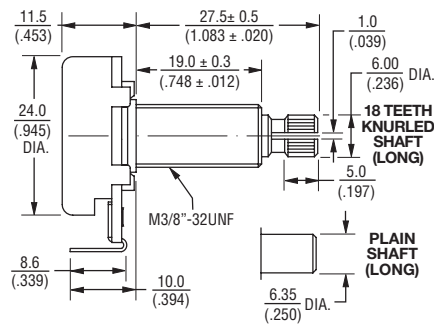
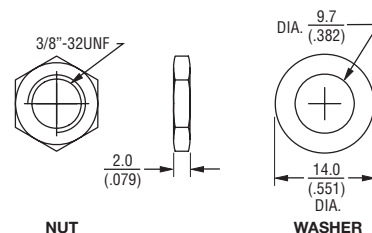
PDB241-GTR01



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

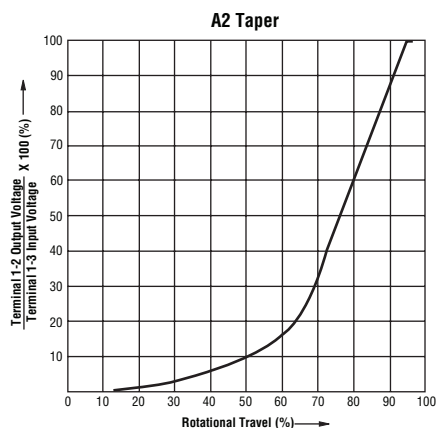
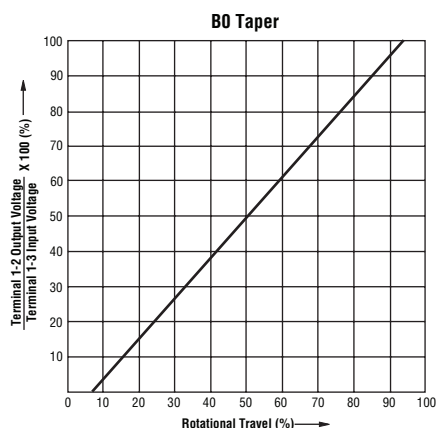
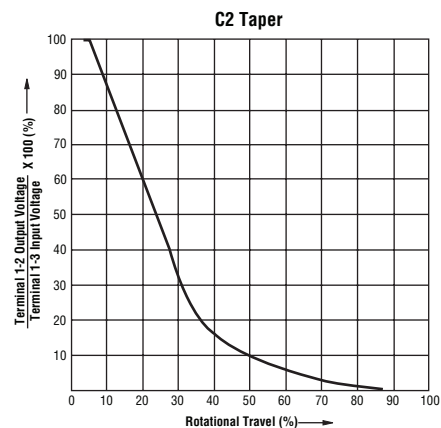
PDB24 1 - GTR 0 1 - 504 A2

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) _____

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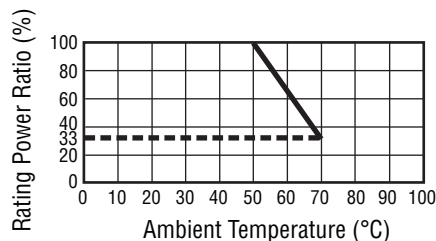
BOURNS®

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

BOURNS®

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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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