

Features

- Carbon element
- Plain or knurled shaft option
- Metal bushing
- Metal shaft
- Rear solder lugs
- Compact size
- Dual gang option

BOURNS® PRO AUDIO

PDB181-GTR Series - 17 mm Guitar Potentiometer

Electrical Characteristics

Taper..... Linear, audio
Standard Resistance Range
.....10 K ohms to 1 M ohms
Standard Resistance Tolerance....±20 %
Residual Resistance.....1 % max.

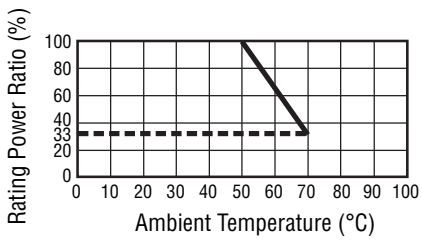
Environmental Characteristics

Operating Temperature
.....-10 °C to +50 °C
Power Rating
Linear..... 0.2 watt
Dual Section ..... 0.125 watt
Audio..... 0.1 watt
Dual Section ..... 0.06 watt
Maximum Operating Voltage
Linear.....200 V
Audio.....150 V
Sliding Noise.....47 mV max.

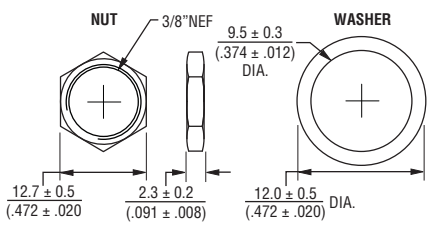
Mechanical Characteristics

Mechanical Angle .....300 ° ±5 °
Rotational Torque .....10 to 150 gf-cm
Stop Strength..... 5 kg-cm min.
Rotational Life.....15,000 cycles
Soldering Condition
..... 260 °C max. within 3 seconds
Hardware ..... Two flat washers and two mounting nuts supplied per potentiometer

Derating Curve

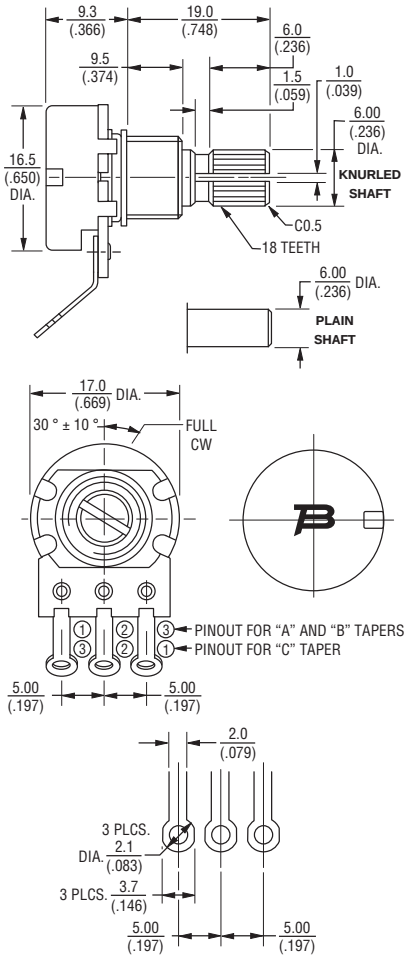


Hardware

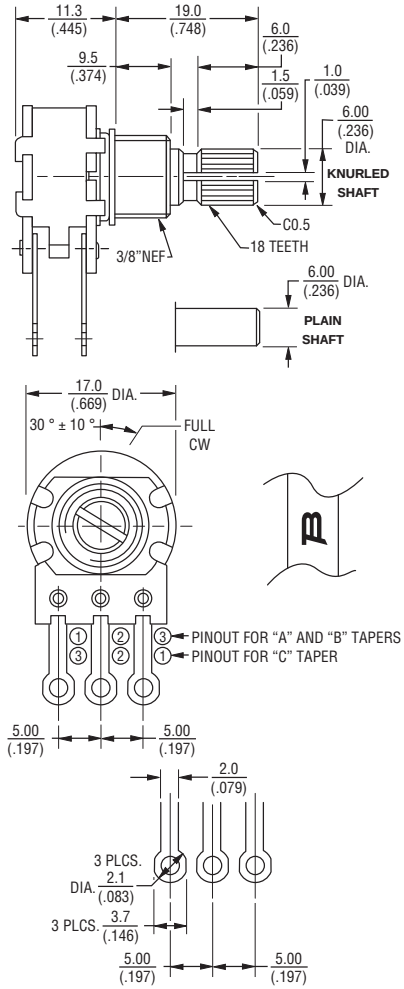


Product Dimensions

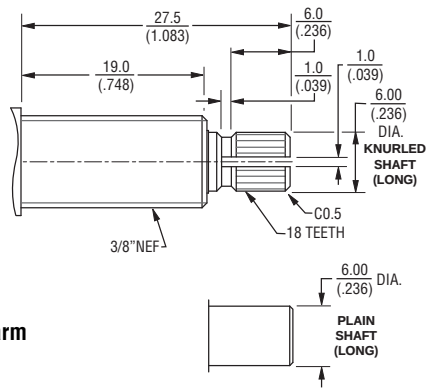
PDB181-GTR01
PDB181-GTR02



PDB182-GTR01
PDB182-GTR02



PDB18x-GTR03
PDB18x-GTR04



TOLERANCES:

UNDER $\frac{10.0}{(.394)} = \frac{\pm 0.3}{(\pm .012)}$ $\frac{10.0 \sim 100}{(.394 \sim 3.937)} = \frac{\pm 0.5}{(\pm .020)}$

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

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.
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Additional Features

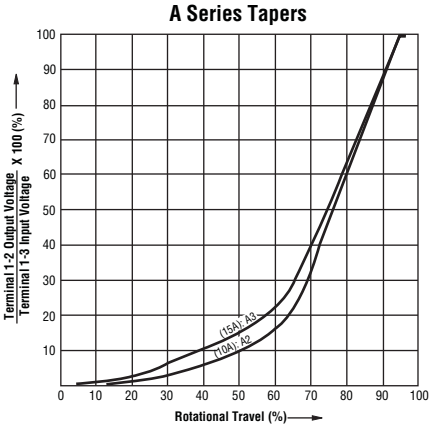
- Variety of resistance values
- Audio or linear taper option
- RoHS compliant*

PDB181-GTR Series - 17 mm Guitar Potentiometer

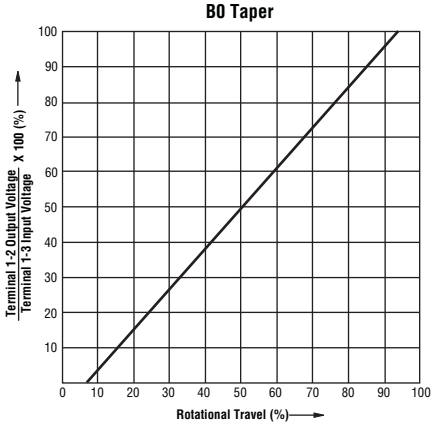
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Taper Charts

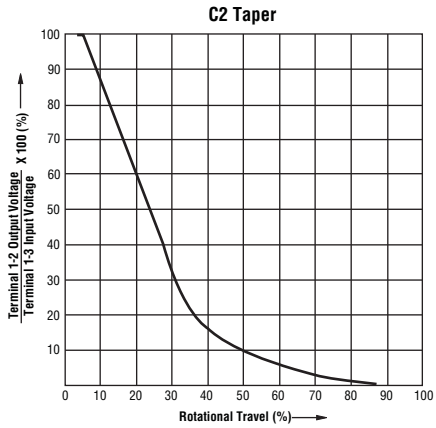
A Series Tapers



B0 Taper

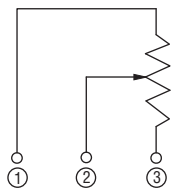


C2 Taper

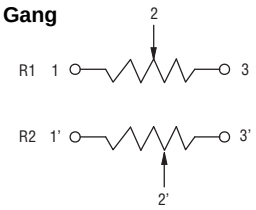


Circuit

Single Gang



Dual Gang



How to Order

PDB18 1 - GTR 01 - 103 A2

Model

Number of Sections
- 1 = Single Section
- 2 = Dual Section

Guitar Pot Designator

Configuration
- 01 = Knurled Shaft/Solder Lugs
- 02 = Plain Shaft/Solder Lugs
- 03 = Knurled Shaft (Long)/Solder Lugs
- 04 = Plain Shaft (Long)/Solder Lugs

Resistance Code (See Table)

Resistance Taper (See Taper Charts)

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. 10/19

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