

Features

- Split knurled or plain shaft options
- DPDT push-pull switch
- Metal bushing and shaft
- Carbon element
- Linear and audio taper options
- RoHS compliant*



(18 TEETH)

(PLAIN

SHAFT)

PDB183-GTR - 17 mm Guitar Potentiometer w/Push-Pull Switch

Electrical Characteristics

Taper..... Linear, audio Standard Resistance Range

......10K ohms to 1M ohms Standard Resistance Tolerance....±20 % Residual Resistance.....1 % max.

Environmental Characteristics

Operating Temperature

Power Rating Linear 0.2 watt Audio 0.1 watt

.....-10 °C to +50 °C

Maximum Operating Voltage Linear200 V Audio......150 V Sliding Noise......47 mV max.

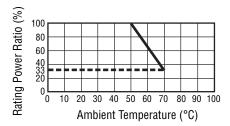
Mechanical Characteristics

Mechanical Angle300 ° ±5 ° Rotational Torque30 to 100 g-cm Stop Strength..... 5 kg-cm min. Rotational Life.....15,000 cycles Switch Life15,000 cycles Switch Type DPDT Switch Travel 4.3 ± 0.2 mm $(.169 \pm .008 in.)$

Soldering Condition Manual/Wave

......260 °C max. for 3 seconds max. Wash...... Not recommended Hardware..... Two flat washers and two mounting nuts supplied per potentiometer

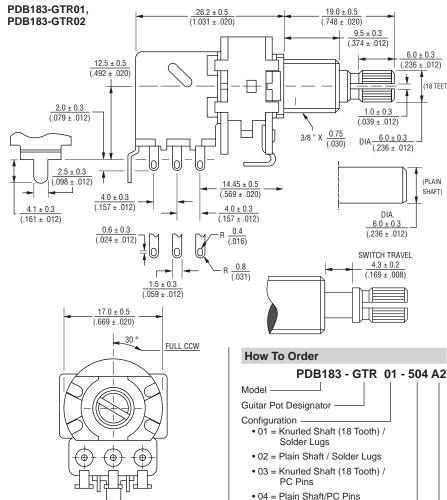
Derating Curve



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

Product Dimensions



MM DIMENSIONS: (INCHES)

 3.0 ± 0.3

(.055 X .094) 3 PLCS.

Solder Lugs • 13 = Knurled Shaft (24 Tooth) / PC Pins

• 21 = Knurled Shaft (18 Tooth) / Solder Lugs / Dual Gang

• 05 = Knurled Shaft (18 Tooth) / Solder Lugs,

• 11 = Knurled Shaft (24 Tooth) /

8 mm Bushing Diameter

• 22 = Plain Shaft / Solder Lugs/ **Dual Gand**

• 31 = Knurled Shaft (18 Tooth) / Solder Lugs, Long Bushing

• 32 = Plain Shaft / Solder Lugs / Long Bushing

Resistance Code (See table)

Resistance Taper (See taper charts)

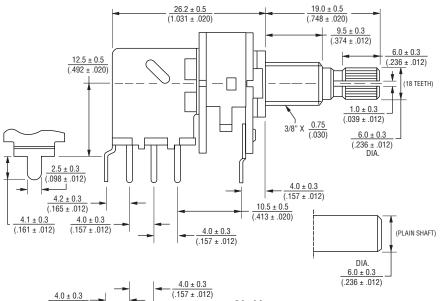


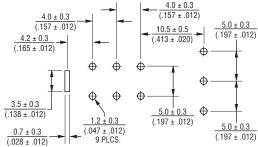
PDB183-GTR - 17 mm Guitar Potentiometer w/Push-Pull Switch

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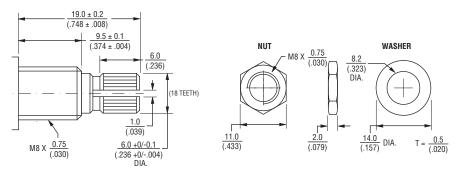
Product Dimensions

PDB183-GTR03, PDB183-GTR04

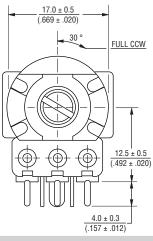




PDB183-GTR05



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

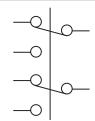


Circuit

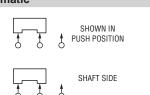
Single Gang



Switch



Schematic



Specifications are subject to change without notice.

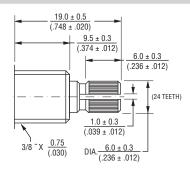
Users should verify actual device performance in their specific applications.

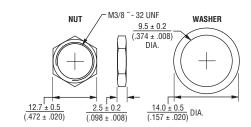
PDB183-GTR - 17 mm Guitar Potentiometer w/Push-Pull Switch

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Product Dimensions

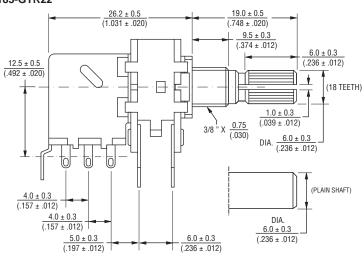
PDB183-GTR11, PDB183-GTR13

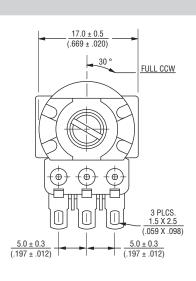




Product Dimensions

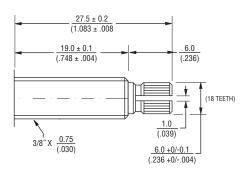
PDB183-GTR21, PDB183-GTR22

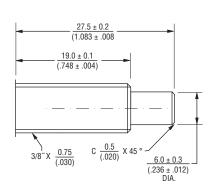




Product Dimensions

PDB183-GTR31, PDB183-GTR32





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

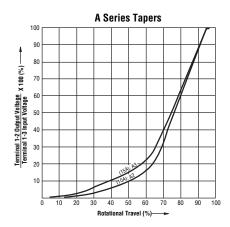
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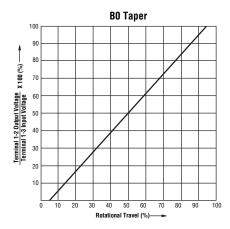
Users should verify actual device performance in their specific applications.

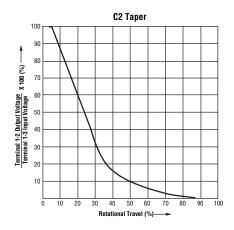
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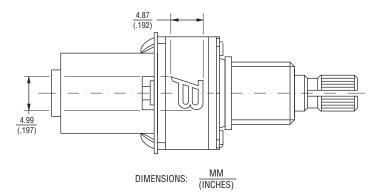
Tapers







Typical Part Marking



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REV. 10/19

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Users should verify actual device performance in their specific applications.

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