



Features

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



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..... $\pm 20\%$
Residual Resistance..... 1 % max.

Environmental Characteristics

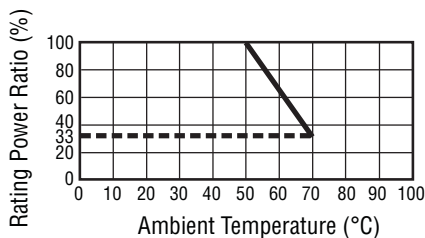
Operating Temperature
..... -10°C to $+50^{\circ}\text{C}$
Power Rating
Linear 0.2 watt
Audio 0.1 watt
Maximum Operating Voltage
Linear 200 V
Audio 150 V
Sliding Noise..... 47 mV max.

Mechanical Characteristics

Mechanical Angle $300^{\circ} \pm 5^{\circ}$
Rotational Torque 30 to 100 g-cm
Stop Strength..... 5 kg-cm min.
Rotational Life..... 15,000 cycles
Switch Life 15,000 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

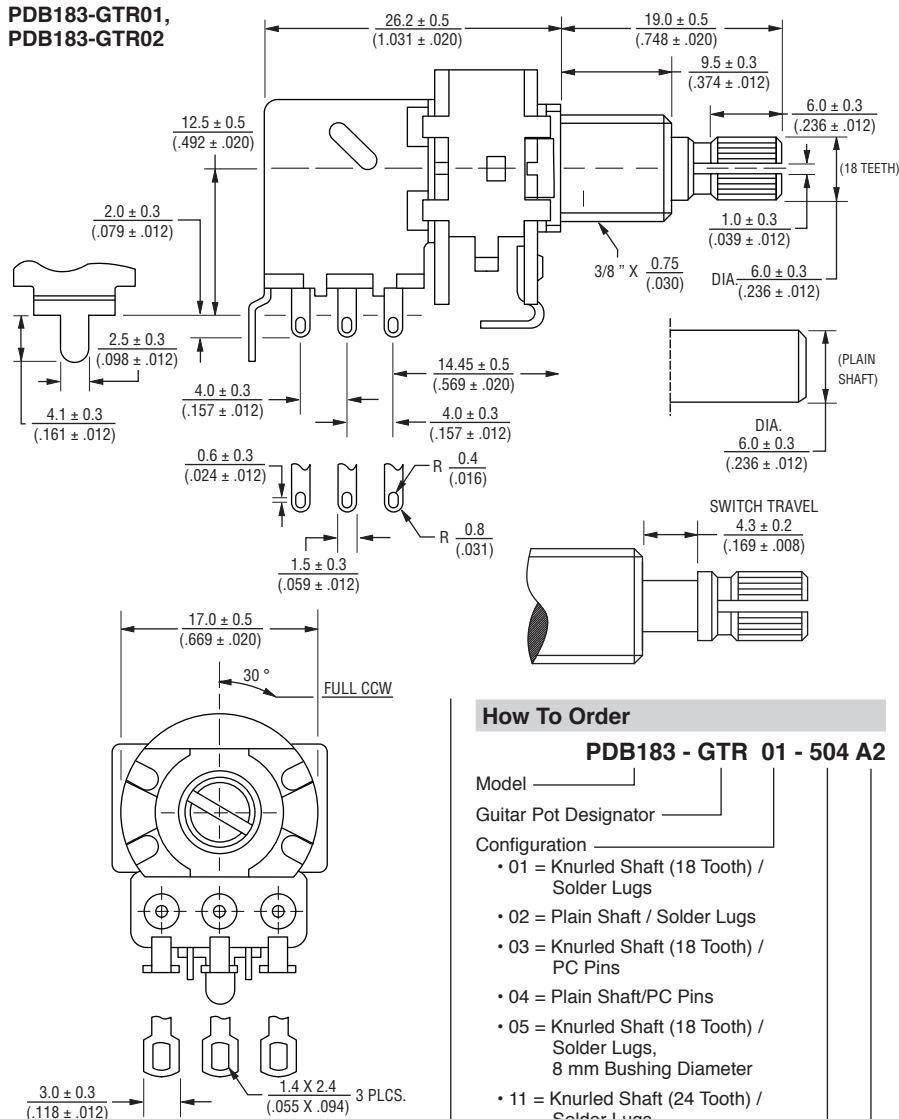


Standard Resistance Table

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

PDB183-GTR01,
PDB183-GTR02



How To Order

PDB183 - GTR 01 - 504 A2

Model _____
Guitar Pot Designator _____
Configuration _____

- 01 = Knurled Shaft (18 Tooth) / Solder Lugs
- 02 = Plain Shaft / Solder Lugs
- 03 = Knurled Shaft (18 Tooth) / PC Pins
- 04 = Plain Shaft/PC Pins
- 05 = Knurled Shaft (18 Tooth) / Solder Lugs, 8 mm Bushing Diameter
- 11 = Knurled Shaft (24 Tooth) / Solder Lugs
- 13 = Knurled Shaft (24 Tooth) / PC Pins
- 21 = Knurled Shaft (18 Tooth) / Solder Lugs / Dual Gang
- 22 = Plain Shaft / Solder Lugs/ Dual Gang
- 31 = Knurled Shaft (18 Tooth) / Solder Lugs, Long Bushing
- 32 = Plain Shaft / Solder Lugs / Long Bushing

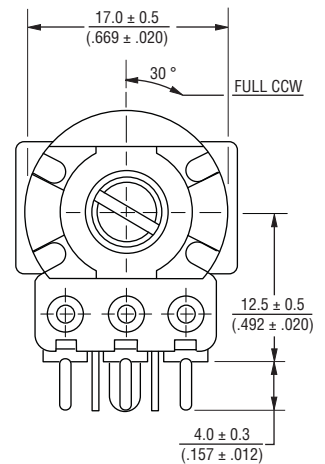
Resistance Code (See table) _____
Resistance Taper (See taper charts) _____

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice.

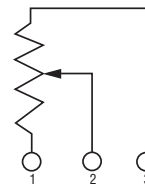
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

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**PDB183-GTR03,
PDB183-GTR04**



Single Gang



The diagram shows two parallel resistors, R_1 and R_2 , connected to a voltage source V . Resistor R_1 is represented by a zigzag line with terminals 1 and 3. Resistor R_2 is represented by a zigzag line with terminals 1' and 3'. A voltage source V is connected between terminals 2 and 2', which are located between the two resistors. The voltage source is represented by two parallel lines of unequal length, with the longer line on the right.

The diagram shows a 4-to-2 multiplexer implemented using two 2-to-1 multiplexers. On the left, there are four input lines, each with a circular terminal. The top two inputs are connected to the top input of the first 2-to-1 multiplexer. The bottom two inputs are connected to the top input of the second 2-to-1 multiplexer. A single select line is connected to the select input of both 2-to-1 multiplexers. The outputs of the two 2-to-1 multiplexers are connected to the two output lines on the right, each with a circular terminal.

SHOWN IN
PUSH POSITION

SHAFT SIDE

[illegible]

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

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Technical drawing of the front view of a 3-phase terminal block. The drawing shows a circular top section with a 30-degree angle and a rectangular base with three vertical terminals. Dimensions are provided in millimeters with tolerances. A note indicates "FULL CCW" for the top section and "3 PLS. 1.5 X 2.5 (.059 X .098)" for the terminals.

Dimensions:

- Overall width: 17.0 ± 0.5 ($.669 \pm .020$)
- Terminal width: 5.0 ± 0.3 ($.197 \pm .012$)
- Terminal spacing: 5.0 ± 0.3 ($.197 \pm .012$)

Notes:

- 30°
- FULL CCW
- 3 PLS. 1.5 X 2.5 (.059 X .098)

Technical drawing of a shaft with the following dimensions and tolerances:

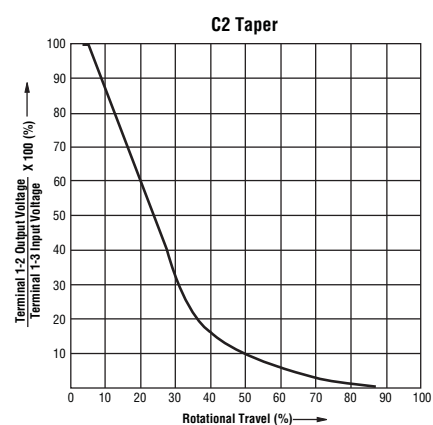
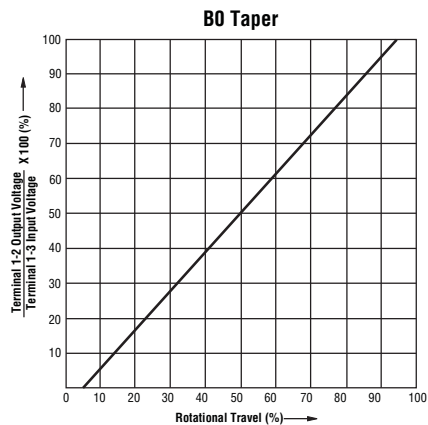
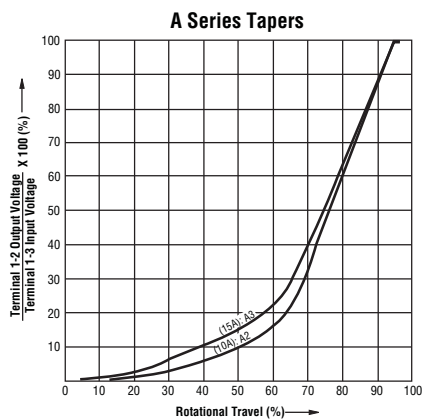
- Overall length: 27.5 ± 0.2 ($1.083 \pm .008$)
- Distance from left end to center of hole: 19.0 ± 0.1 ($.748 \pm .004$)
- Shaft diameter: $3/8" \times \frac{0.75}{(.030)}$
- Hole diameter: $\frac{0.5}{(.020)} \times 45^\circ$
- Distance from right end to center of hole: 6.0 ± 0.3 ($.236 \pm .012$) DIA.

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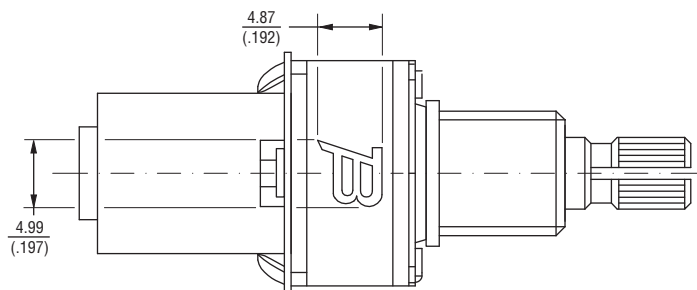
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Tapers



Typical Part Marking



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

REV. 09/16

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Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

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