



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

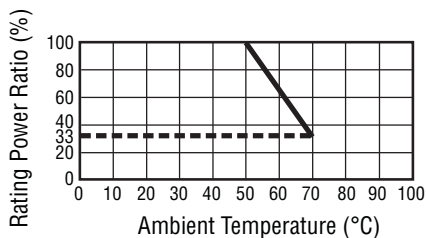
Manual/Wave

..... 260°C max. for 3 seconds max.

Wash Not recommended

Hardware Two flat washers and
two mounting nuts supplied per
potentiometer

Derating Curve

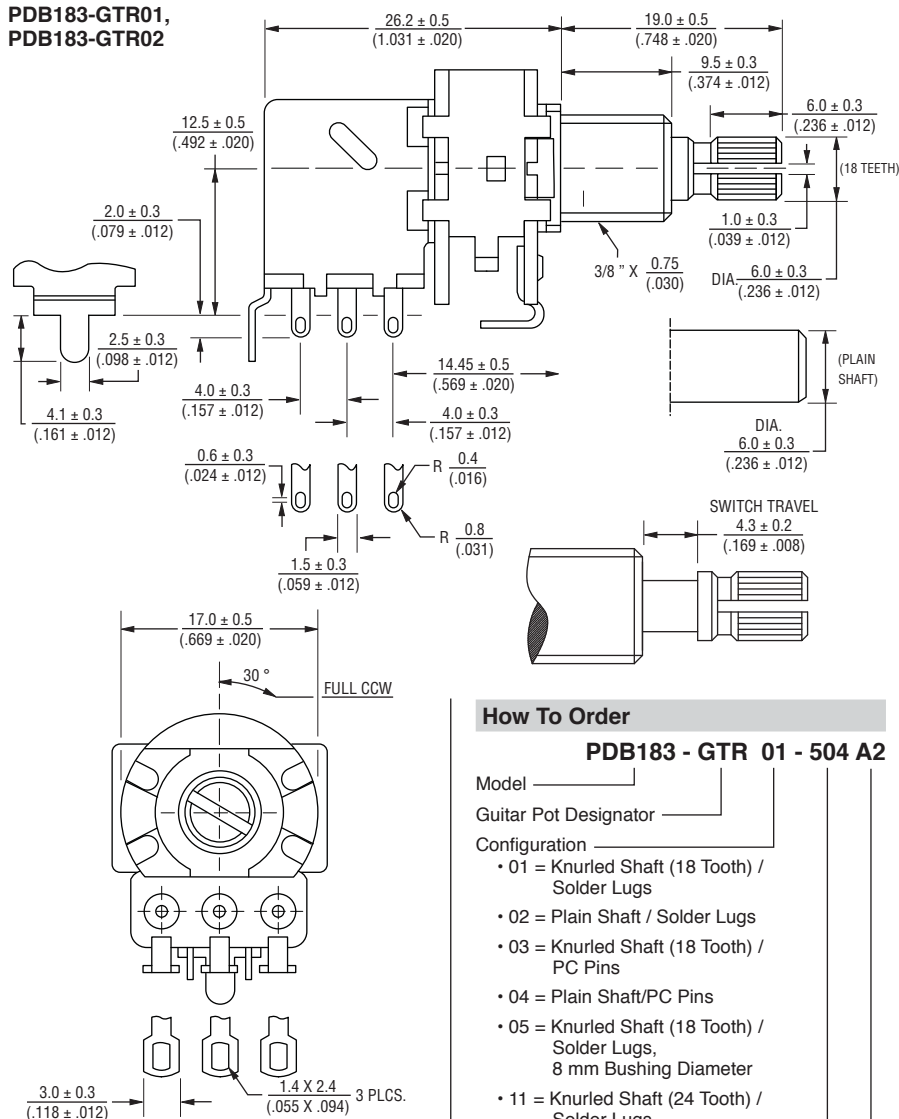


Standard Resistance Table

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) _____

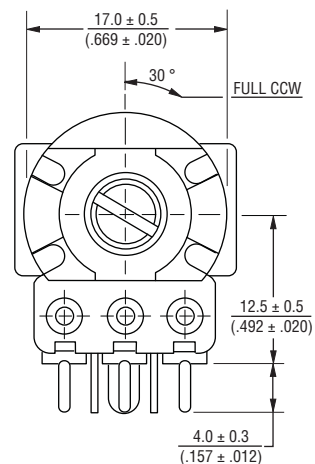
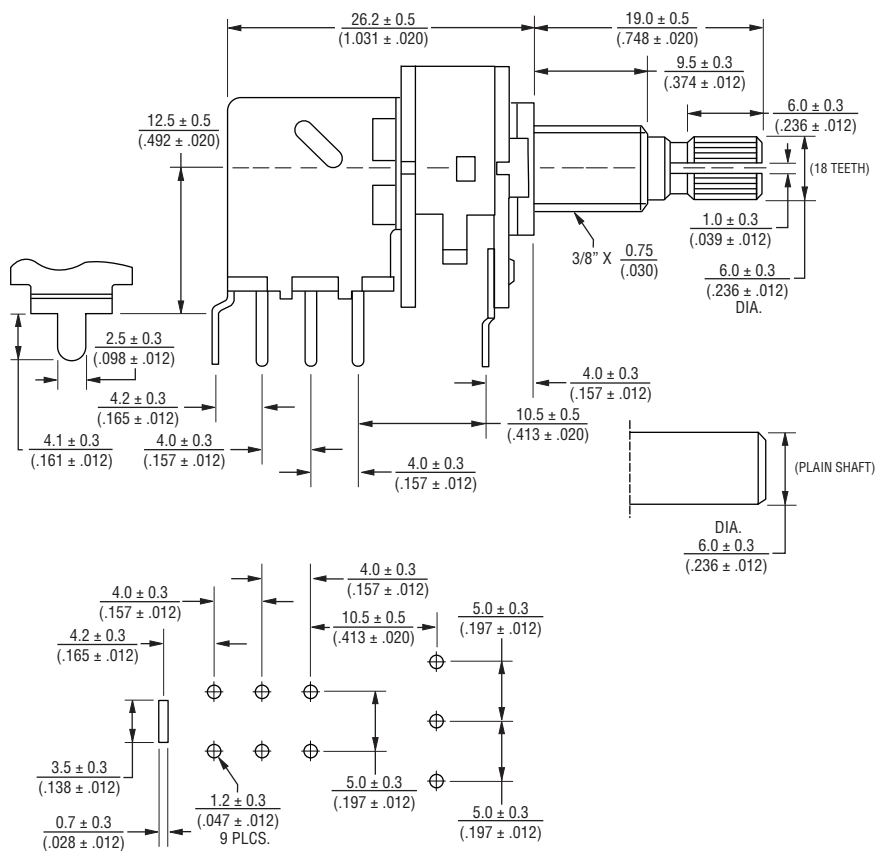
Resistance Taper (See taper charts) _____

*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.

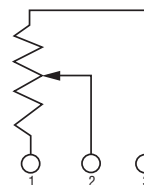
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

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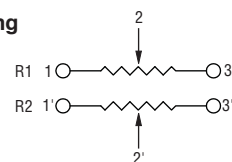
**PDB183-GTR03,
PDB183-GTR04**



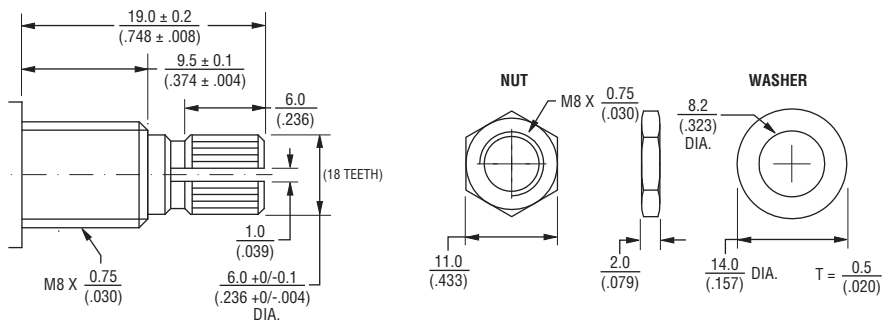
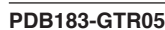
Single Gang



Dual Gang



The diagram shows a 4-bit bus system. On the left, there are four horizontal lines representing data lines, each with a small circle at its end. On the right, there are two horizontal lines representing control lines, each with a small circle at its end. A vertical line separates the data lines from the control lines. The top data line is connected to the top control line by a diagonal line. The bottom data line is connected to the bottom control line by a diagonal line.



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

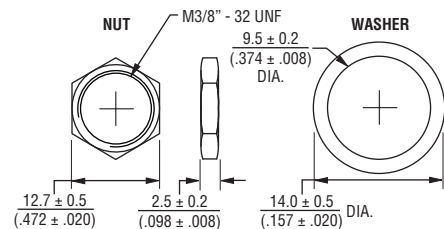
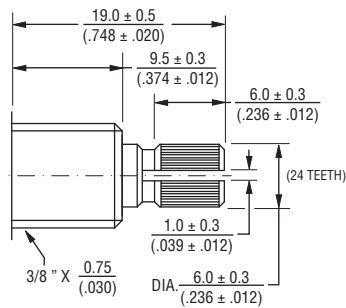
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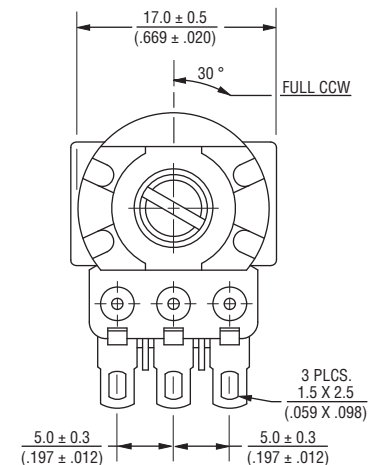
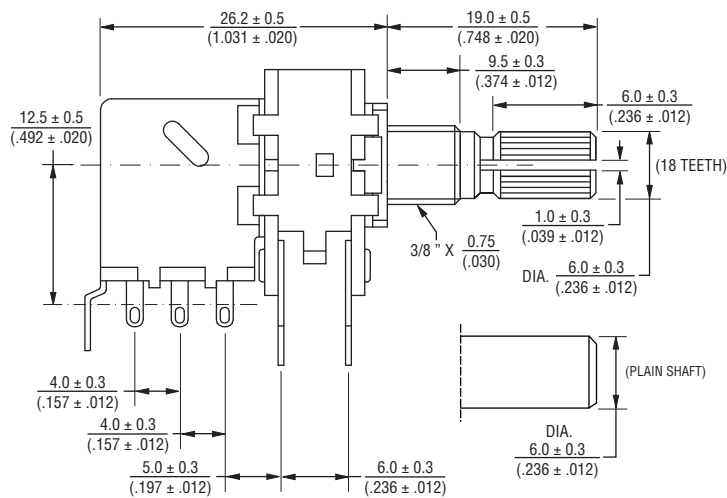
Product Dimensions

**PDB183-GTR11,
PDB183-GTR13**



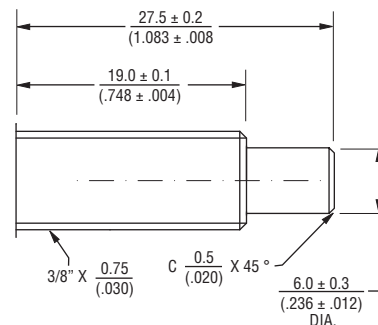
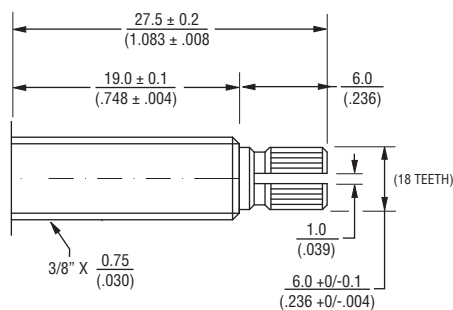
Product Dimensions

**PDB183-GTR21,
PDB183-GTR22**



Product Dimensions

**PDB183-GTR31,
PDB183-GTR32**



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

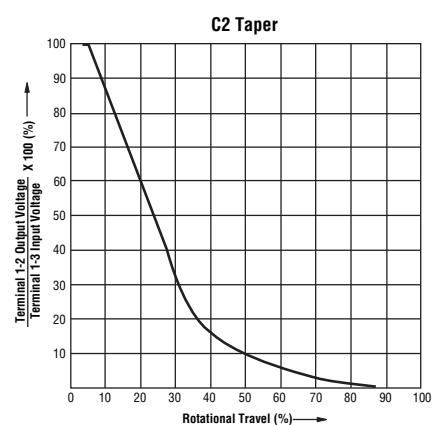
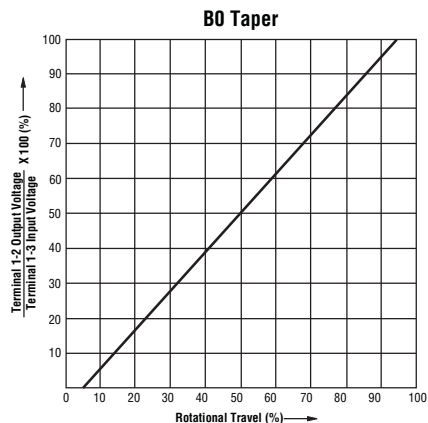
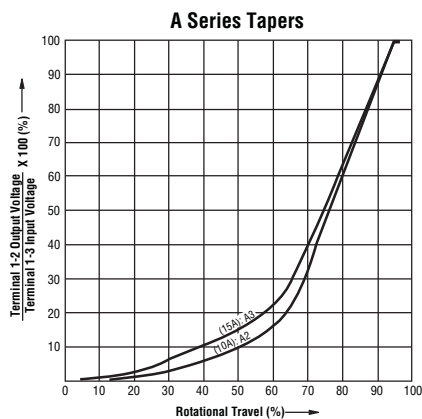
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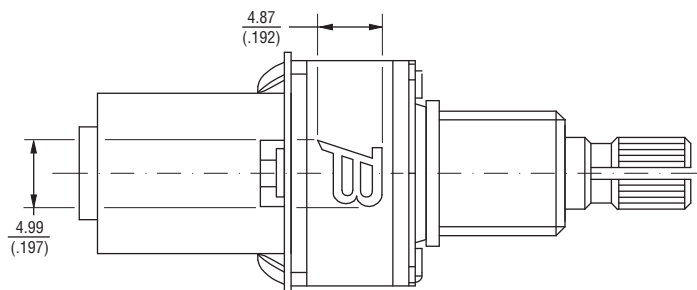
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Tapers



Typical Part Marking



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

REV. 09/16

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Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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