



Features

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



PDB185-GTR - 17 mm Guitar Potentiometer w/Latching-Push Switch

Electrical Characteristics

Taper..... Linear, audio
Standard Resistance Range
..... 10K ohms to 1M ohms
Standard Resistance Tolerance..... $\pm 20\%$
Residual Resistance..... $2\ \Omega$ max.

Environmental Characteristics

Operating Temperature
..... $-10\ ^\circ\text{C}$ to $+70\ ^\circ\text{C}$
Power Rating
Linear 0.1 watt
Audio 0.05 watt
Maximum Operating Voltage
Linear 150 V
Audio 100 V
Sliding Noise..... 47 mV max.

Mechanical Characteristics

Mechanical Angle $300^\circ \pm 5^\circ$
Rotational Torque 20 to 150 g-cm
Stop Strength..... 8 kg-cm min.
Rotational Life..... 15,000 cycles
Switch Life 10,000 actuations
Switch Type DPDT
Switch Travel 4.0 ± 0.8 mm
Switch Operating Force..... 2 kgf max.
Soldering Condition
Wave $260\ ^\circ\text{C}$ max., 5 sec. max.
Manual $350\ ^\circ\text{C}$ max., 3 sec. max.
Hardware Two flat washers and
two mounting nuts supplied per
potentiometer

How To Order

PDB185 - GTR 11 - 504 A2

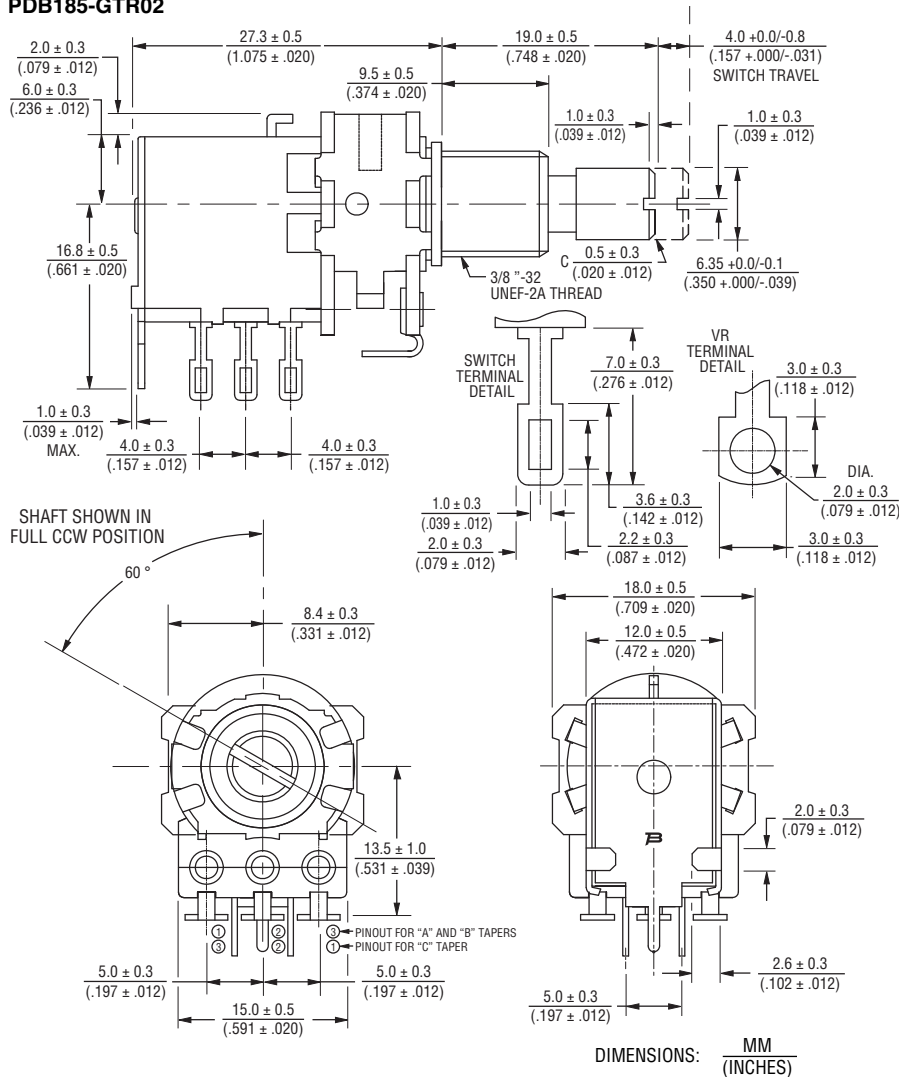
- Model _____
Guitar Pot Designator _____
Configuration _____
- 02 = Slotted Shaft / Solder Lugs
 - 04 = Slotted Shaft/PC Pins
 - 11 = Knurled Shaft (24 Tooth) / Solder Lugs
 - 13 = Knurled Shaft (24 Tooth) / PC Pins
 - 31 = Knurled Shaft (18 Tooth) / Solder Lugs, Long Bushing
 - 32 = Slotted Shaft / Solder Lugs / Long Bushing

Resistance Code (See table) _____

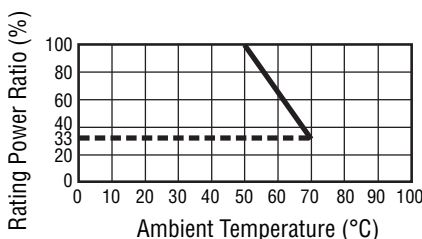
Resistance Taper (See taper charts) _____

Product Dimensions

PDB185-GTR02



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

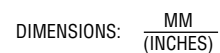
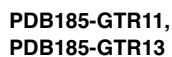
*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

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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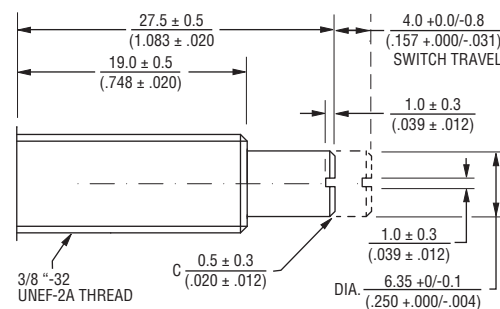
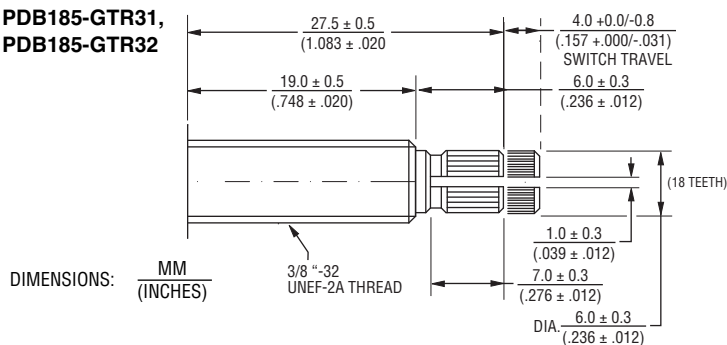
PDB185-GTR04



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**PDB185-GTR31,
PDB185-GTR32**



The diagram shows a neural network with three layers. The input layer has three nodes labeled 1, 2, and 3. The hidden layer has two nodes, represented by thick black rectangles. The output layer has three nodes labeled 4, 5, and 6. Arrows indicate the flow of information from the input layer to the hidden layer, and from the hidden layer to the output layer.

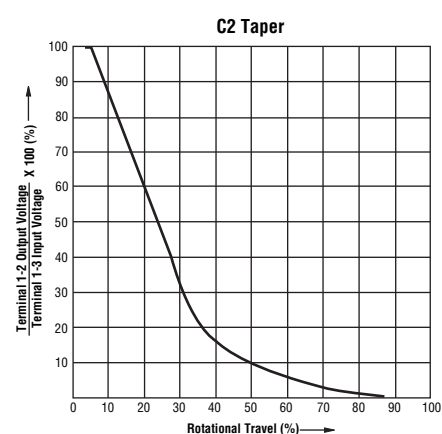
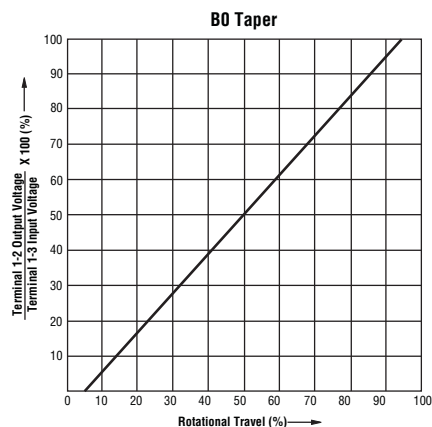
The image shows two technical drawings: a Nut on the left and a Washer on the right. The Nut is a hexagonal nut with a central hole. Its dimensions are: outer diameter 12.6 ± 0.5 (496 ± .020), inner diameter 10.0 ± 0.5 (394 ± .020), and height 14.3 (563). The thread is specified as 3/8"-32 UNEF-2A. The Washer is a circular flat disc. Its dimensions are: outer diameter 14.0 ± 0.5 (551 ± .020) DIA., inner diameter 10.0 ± 0.5 (394 ± .020) DIA., and thickness T = 0.5 ± 0.3 (.020 ± .012).

NUT

WASHER

A2 Taper

Rotational Travel (%)	Terminal 1-2 Output Voltage X 100 (%)
15	0
20	1
30	3
40	6
50	10
60	18
70	35
80	65
90	95
100	100



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Technical drawing of the front view of a mechanical component, labeled 'B'. The component has a rectangular body with a semi-circular top. It features a central circular hole and a smaller circular hole at the top center. The drawing shows various mounting points and a base with several vertical pins or supports.

Данный компонент на территории Российской Федерации

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

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В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

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.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

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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