

### **Features**

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



 $6.0 \pm 0.3$ 

(.236 ± .012)

(18 TEETH)

(PLAIN

SHAFT)

¥

DIA.

## 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
-10 °C to +50 °C
Power Rating
Linear 0.2 watt
Audio 0.1 watt
Maximum Operating Voltage
Linear200 V
Audio 150 V

Sliding Noise......47 mV max.

#### **Mechanical Characteristics**

Mechanical Angle	300 ° ±5 °
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 Power Rating	
(Resistive Load)	0.3 A @ 30 VDC
Switch Travel	4.3 ± 0.2 mm

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

### **Additional Information**

Click these links for more information:















 $(.169 \pm .008 in.)$ 



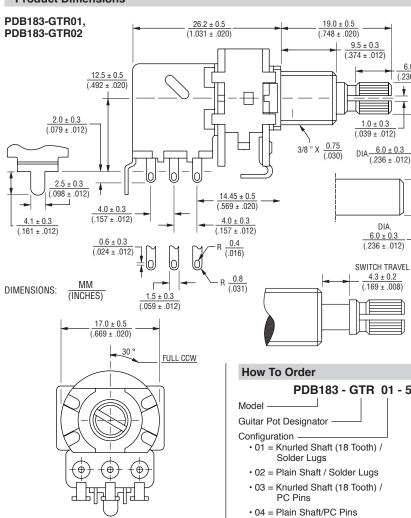
PRODUCT TECHNICAL INVENTORY SAMPLES

### 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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#### **Product Dimensions**



#### **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

(.055 X .094) 3 PLCS.

#### PDB183 - GTR 01 - 504 A2

01 = Knurled Shaft (18 Tooth) /

- 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 Taper (See taper charts)

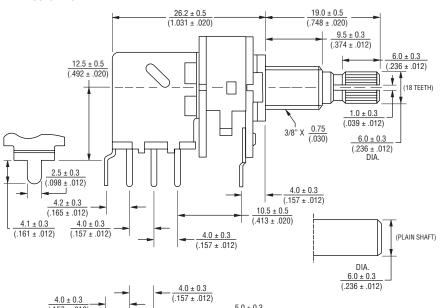
Resistance Code (See table) -

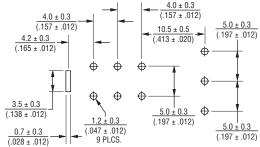
# PDB183-GTR - 17 mm Guitar Potentiometer w/Push-Pull Switch

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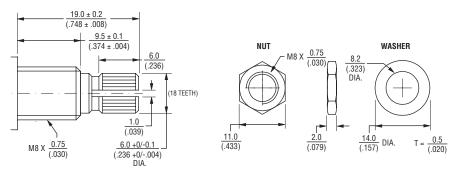
#### **Product Dimensions**

#### PDB183-GTR03, PDB183-GTR04

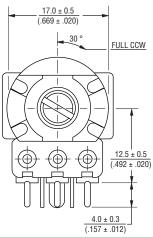




### PDB183-GTR05





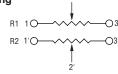


#### Circuit

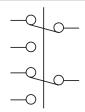
#### Single Gang



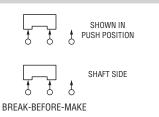
#### **Dual Gang**



### Switch



### **Schematic**



Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

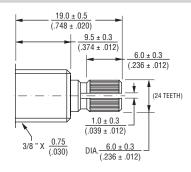
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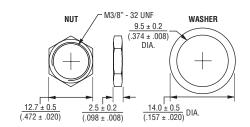
# PDB183-GTR - 17 mm Guitar Potentiometer w/Push-Pull Switch

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#### **Product Dimensions**

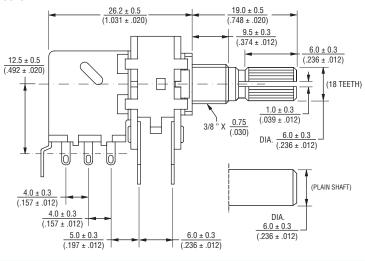
PDB183-GTR11, PDB183-GTR13

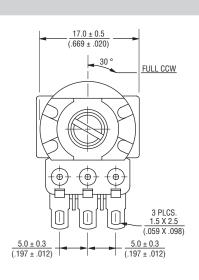




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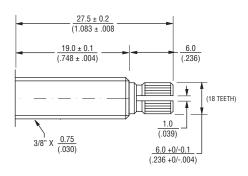
PDB183-GTR21, PDB183-GTR22

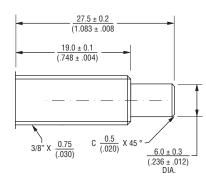




### **Product Dimensions**

PDB183-GTR31, PDB183-GTR32





DIMENSIONS:

MM (INCHES)

Specifications are subject to change without notice.

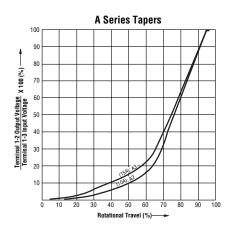
Users should verify actual device performance in their specific applications.

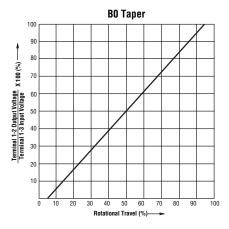
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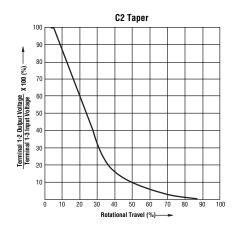
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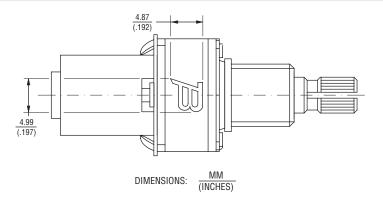
### **Tapers**



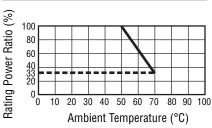




### **Typical Part Marking**



# **Derating Curve**



REV. 09/21

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