



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
 $R \leq 1 \text{ K}\Omega$ $\pm 30\%$
 $1 \text{ K}\Omega < R < 1 \text{ M}\Omega$ $\pm 20\%$
 $\geq 1 \text{ M}\Omega$ $\pm 30\%$
 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
 Linear 200 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 $\pm$ 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

Additional Information

Click these links for more information:



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TECHNICAL
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INVENTORY



SAMPLES



CONTACT



CALIFORNIA WARNING Can expose you
 to lead, a carcinogen and reproductive
 toxicant.

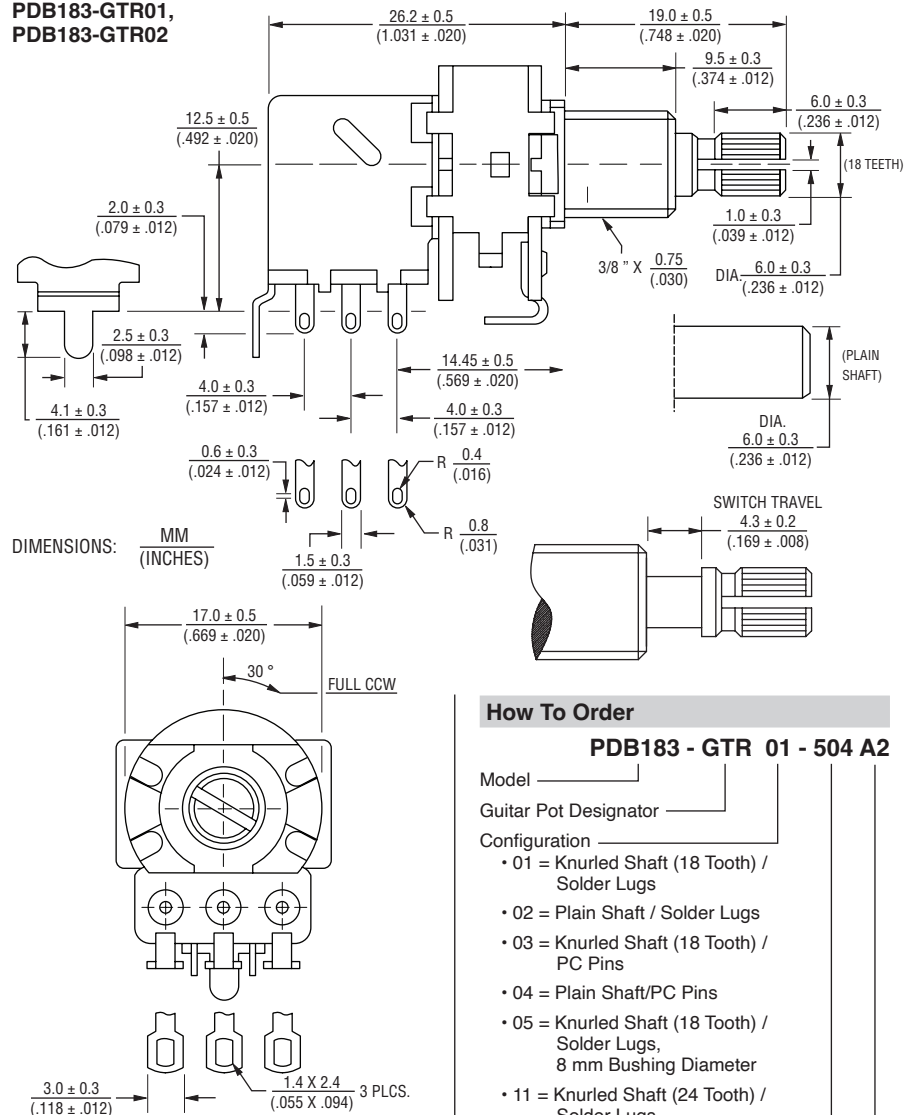
See www.P65Warnings.ca.gov

*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

PDB183-GTR01,
 PDB183-GTR02



How To Order

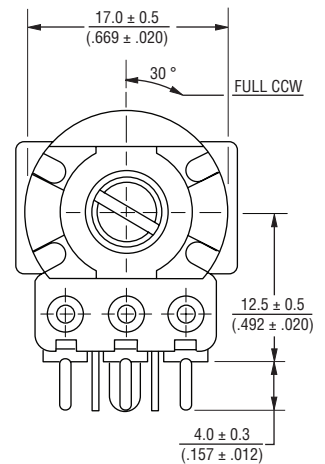
PDB183 - GTR 01 - 504 A2

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) _____

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

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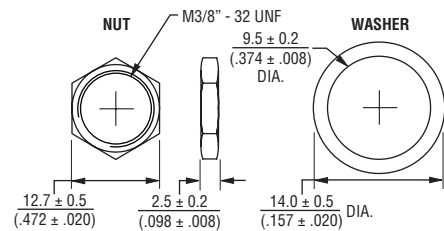
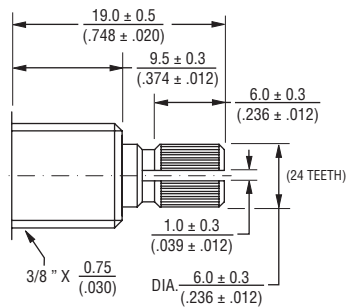


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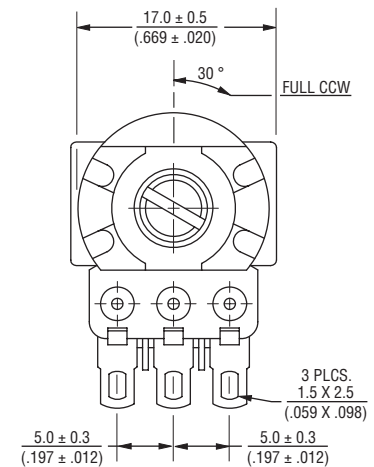
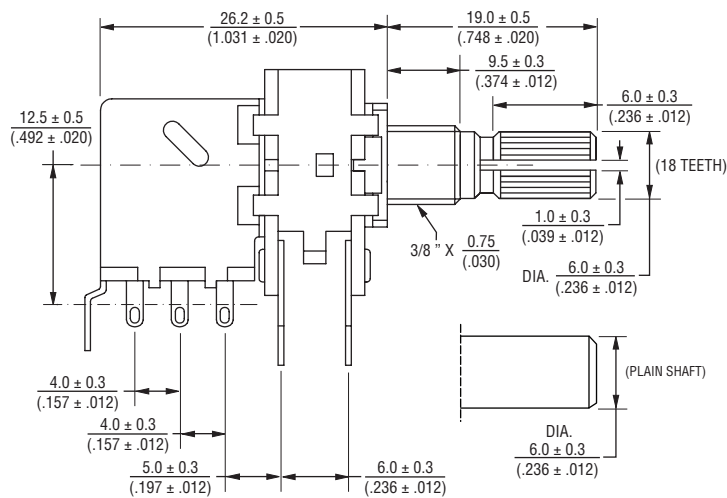
Product Dimensions

PDB183-GTR11,
PDB183-GTR13



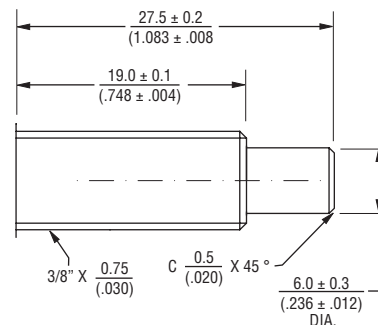
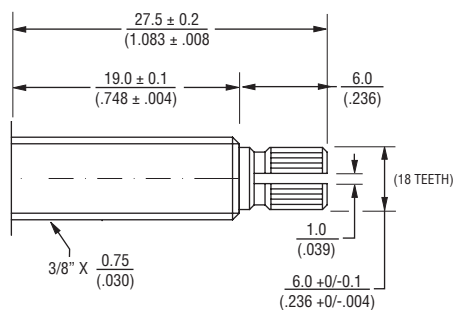
Product Dimensions

PDB183-GTR21,
PDB183-GTR22



Product Dimensions

PDB183-GTR31,
PDB183-GTR32



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

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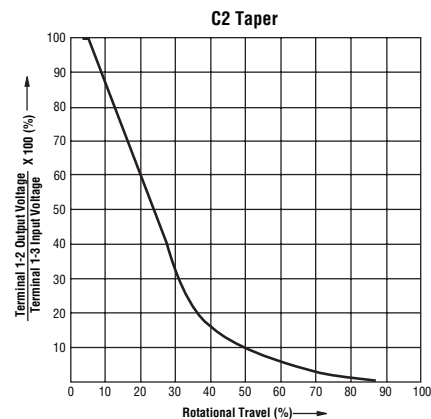
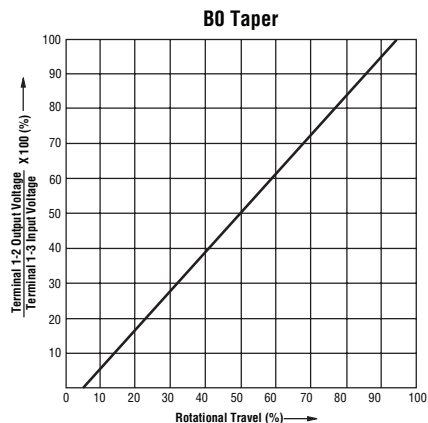
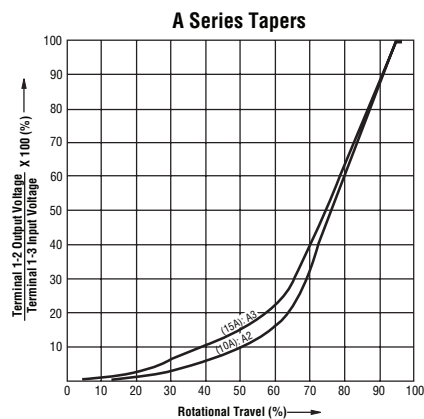
Users should verify actual device performance in their specific applications.

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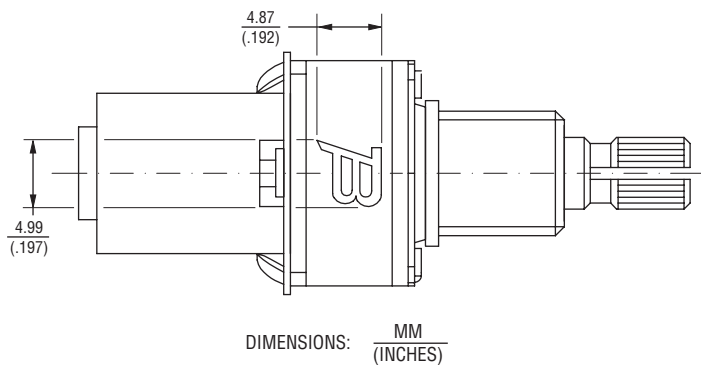
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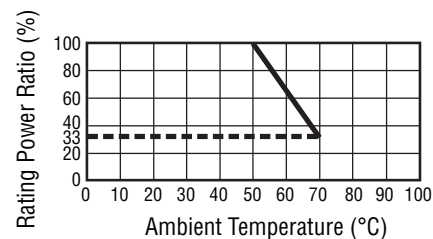
Tapers



Typical Part Marking



Derating Curve



REV. 07/25

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