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≤1 KΩ ..... ±30%
1 KΩ<R<1 MΩ..... ±20%
≥1 MΩ ..... ±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 ± 0.2 mm
(.169 ± .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:

PRODUCT SELECTOR | TECHNICAL LIBRARY | 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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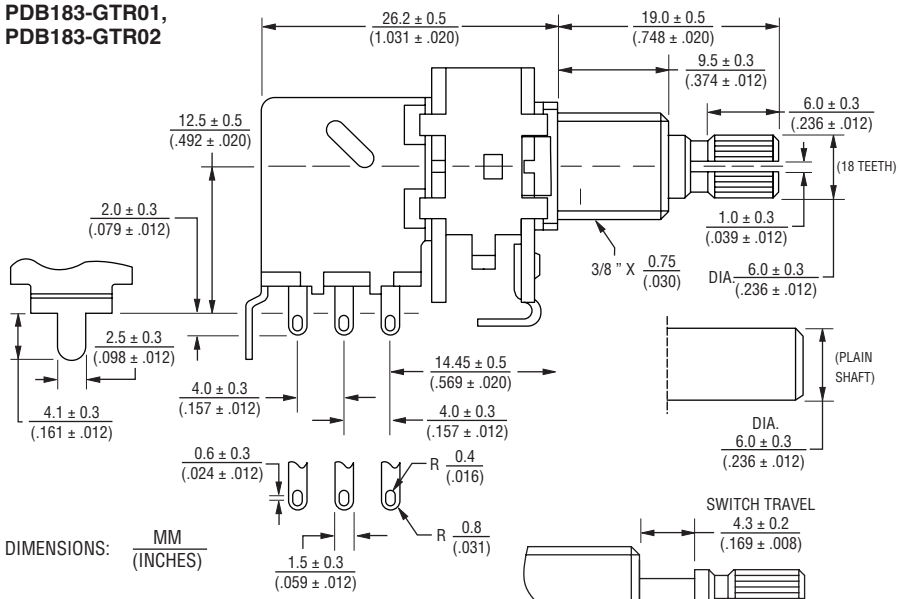
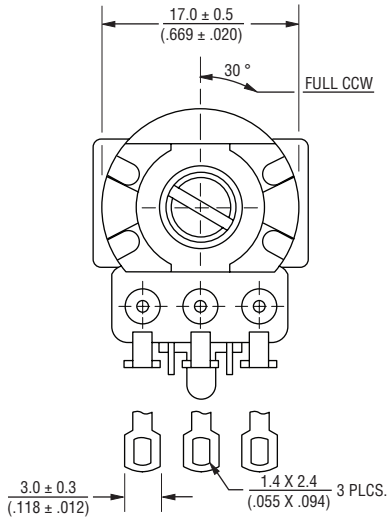
Product Dimensions

PDB183-GTR01, PDB183-GTR02





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

How To Order

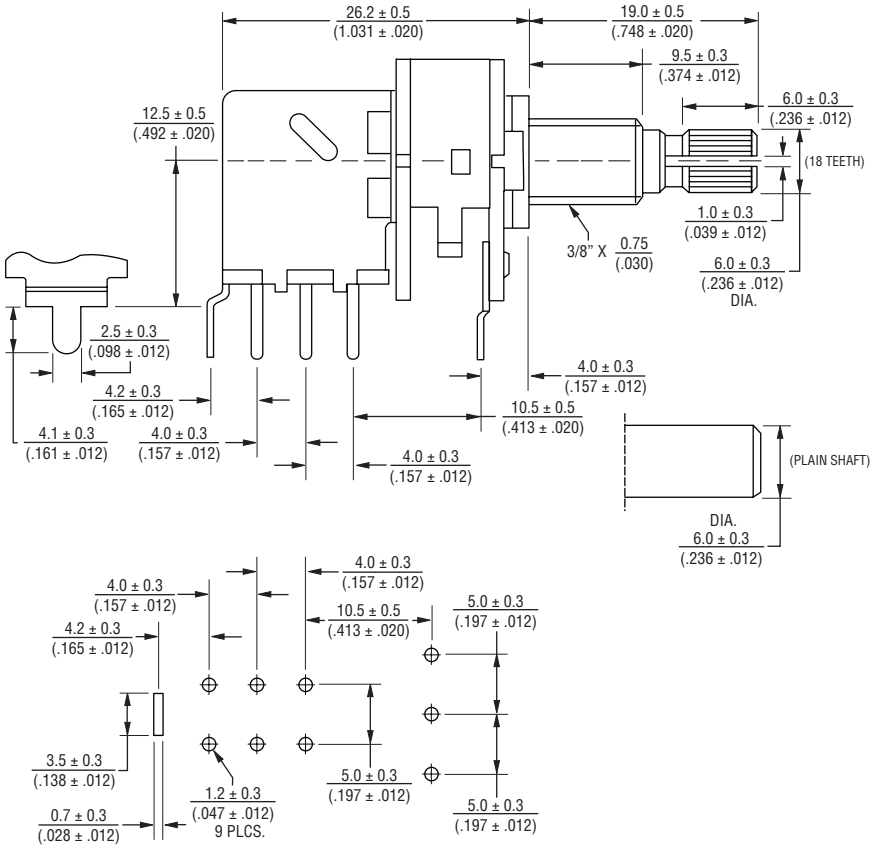
PDB183 - GTR 01 - 504 A2

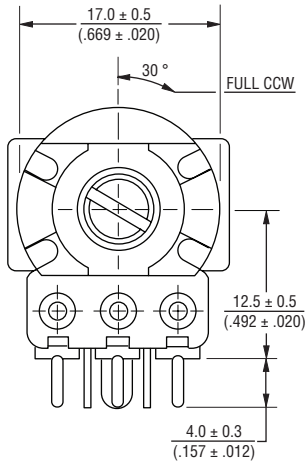
Model
Guitar Pot Designator
Configuration
- 01 = Knurled Shaft (18 Tooth) / Solder Lugs
- 02 = Plain Shaft / Solder Lugs
- 03 = Knurled Shaft (18 Tooth) / PC Pins
- 04 = Plain Shaft/PC Pins
- 05 = Knurled Shaft (18 Tooth) / Solder Lugs, 8 mm Bushing Diameter
- 11 = Knurled Shaft (24 Tooth) / Solder Lugs
- 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)

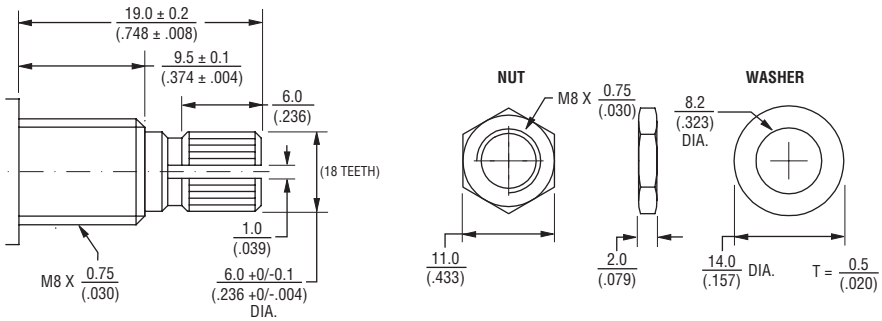
Product Dimensions

PDB183-GTR03,
PDB183-GTR04





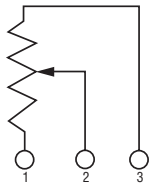
PDB183-GTR05



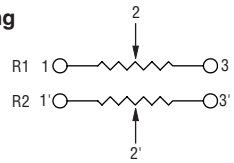
DIMENSIONS: MM / (INCHES)

Circuit

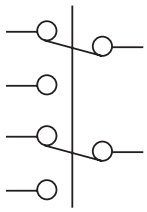
Single Gang



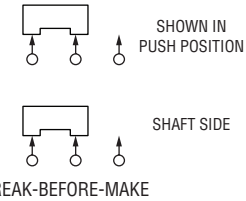
Dual Gang



Switch

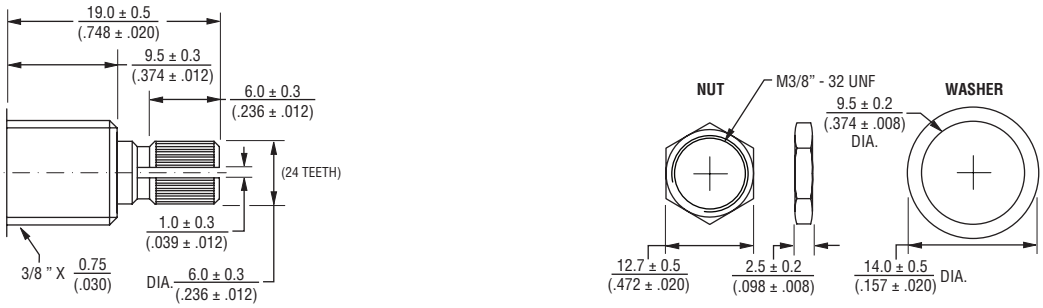


Schematic



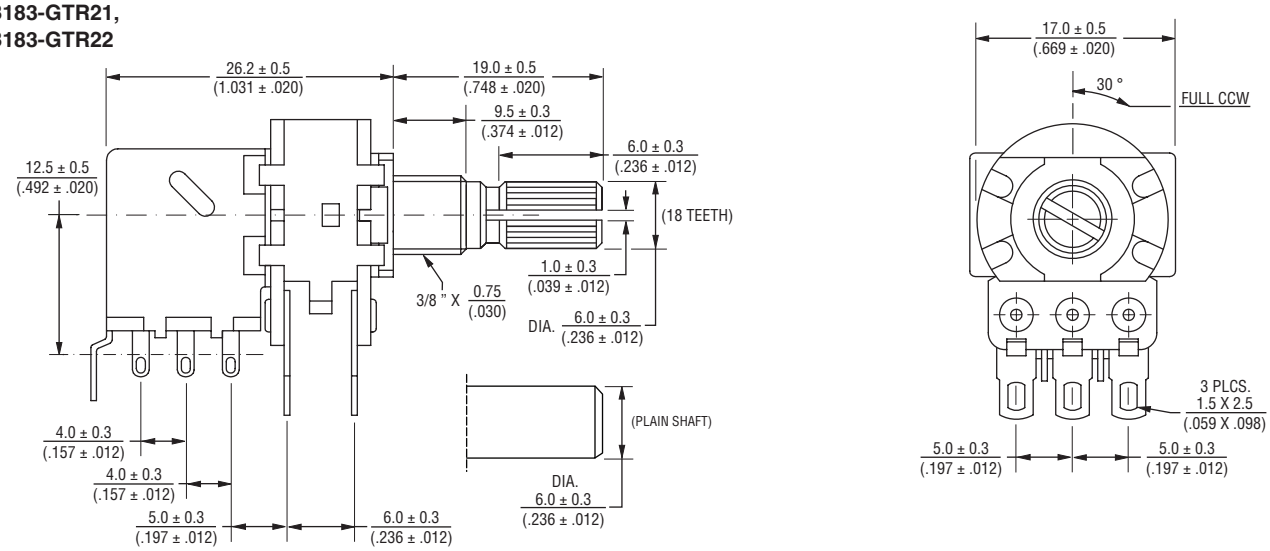
Product Dimensions

PDB183-GTR11,
PDB183-GTR13



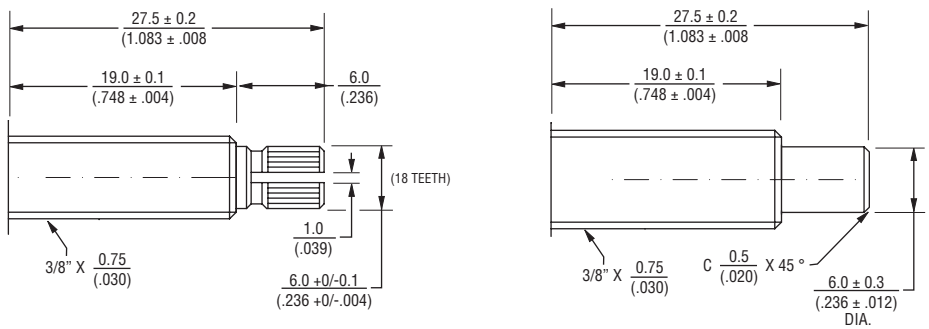
Product Dimensions

PDB183-GTR21,
PDB183-GTR22



Product Dimensions

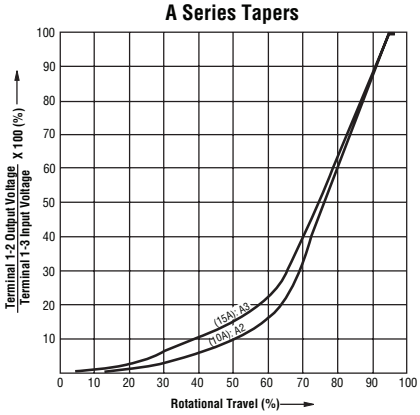
PDB183-GTR31,
PDB183-GTR32



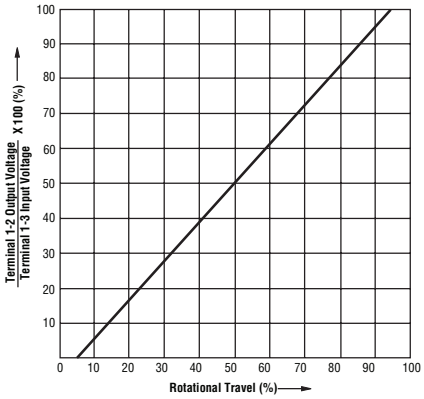
DIMENSIONS: MM / (INCHES)

Tapers

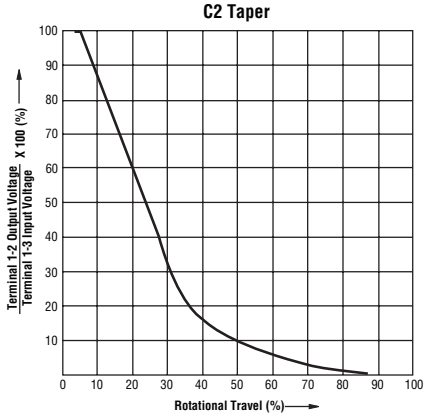
A Series Tapers



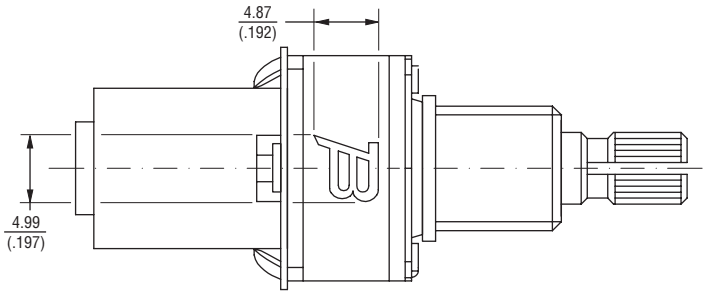
B0 Taper



C2 Taper

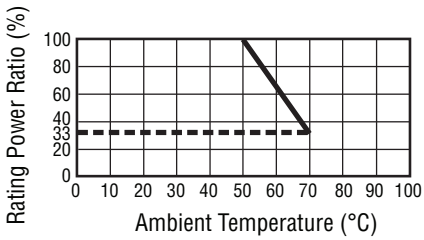


Typical Part Marking



DIMENSIONS: MM / (INCHES)

Derating Curve



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