



## 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..... ±20 %  
 Residual Resistance..... 1 % max.

### Environmental Characteristics

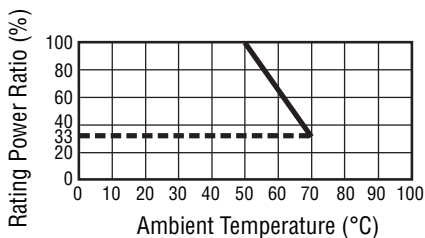
Operating Temperature  
 ..... -10 °C to +50 °C  
 Power Rating  
 Linear ..... 0.2 watt  
 Audio ..... 0.1 watt  
 Maximum Operating Voltage  
 Linear ..... 200 V  
 Audio ..... 150 V  
 Sliding Noise..... 47 mV max.

### 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 Travel ..... 4.3 ± 0.2 mm  
 (.169 ± .008 in.)

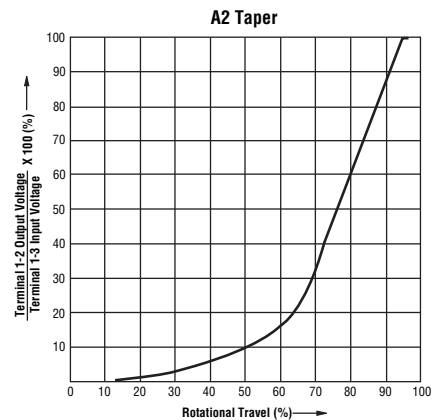
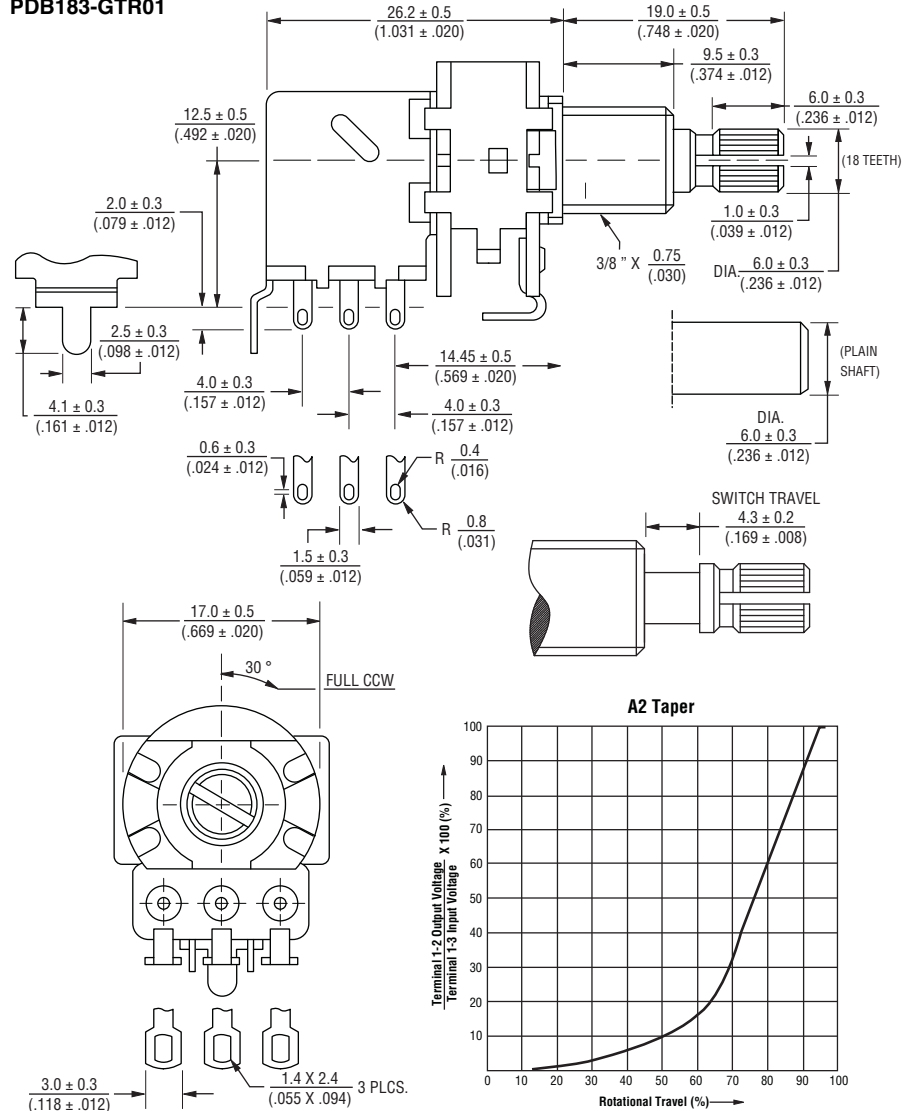
Soldering Condition  
 Manual/Wave  
 ..... 260 °C max. for 3 seconds max.  
 Wash ..... Not recommended  
 Hardware ..... Two flat washers and  
 two mounting nuts supplied per  
 potentiometer

### Derating Curve



### Product Dimensions

#### PDB183-GTR01



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

\*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. Customers should verify actual device performance in their specific applications.