



## Features

- Carbon element
- Plain or knurled shaft option
- Metal bushing/metal shaft
- Center detent standard
- Rear solder lugs or PC pins
- 250K and 500K standard resistance values
- Standard M and N taper
- RoHS compliant\*



## PDB182-GTRB - 17 mm Blend-Balance Guitar Potentiometer

### Electrical Characteristics

Taper..... Linear, audio  
 Standard Resistance Range ..... 250K to 500K ohms  
 Standard Resistance Tolerance..... ±20 %  
 Residual Resistance ..... 1 % max.

### Environmental Characteristics

Operating Temperature.... -10 °C to +50 °C  
 Power Rating  
 Dual Section ..... 0.06 watt  
 Maximum Operating Voltage  
 Audio ..... 150 V  
 Sliding Noise ..... 47 mV max.

### Mechanical Characteristics

Mechanical Angle ..... 300 ° ±5 °  
 Rotational Torque ..... 10 to 150 gf-cm  
 Detent Torque ..... 50 to 300 gf-cm  
 Stop Strength ..... 5 kg-cm min.  
 Rotational Life ..... 15,000 cycles  
 Soldering Condition  
 Manual/Wave  
 ..... 260 °C max. for 3 seconds max.  
 Wash..... Not recommended  
 Hardware ..... One flat washer and mounting nut supplied per potentiometer with bushing

### Standard Resistance Table

Resistance (Ohms)	Resistance Code
250,000	254
500,000	504

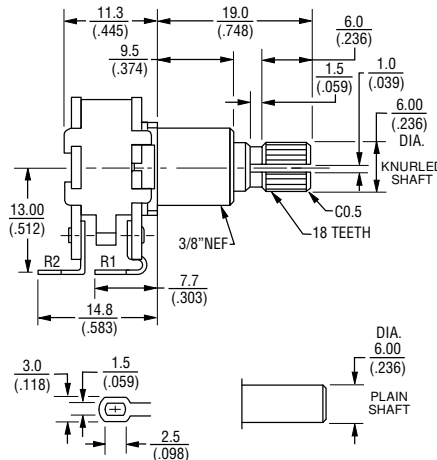
### How to Order

**PDB18 2 - GTR B1 - 254 MN**

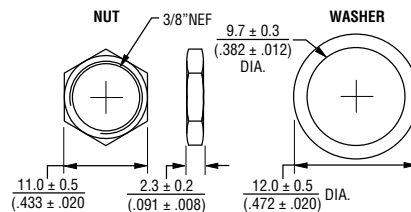
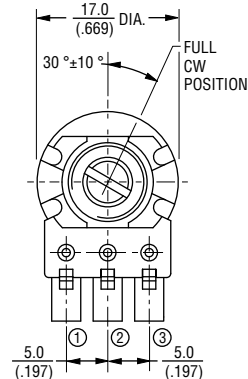
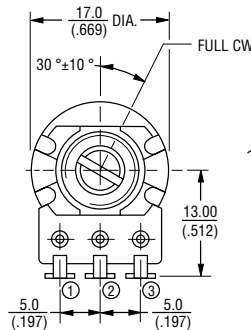
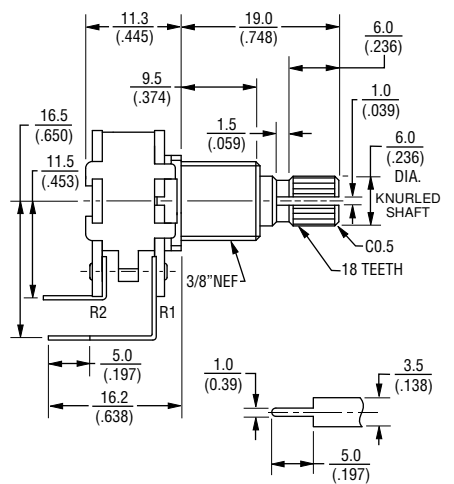
Model \_\_\_\_\_  
 Number of Sections \_\_\_\_\_  
 2 = Dual Section  
 Guitar Pot Designator \_\_\_\_\_  
 Configuration \_\_\_\_\_  
 B1 = Knurled Shaft/Solder Lugs/  
 Center Detent  
 B2 = Plain Shaft/Solder Lugs/  
 Center Detent  
 B3 = Knurled Shaft/PC Pins/  
 Center Detent  
 B4 = Plain Shaft/PC Pins/  
 Center Detent  
 Resistance Code (See Table) \_\_\_\_\_  
 Resistance Taper (See Taper Chart) \_\_\_\_\_

### Product Dimensions

PDB182-GTRB1,  
PDB182-GTRB2



PDB182-GTRB3,  
PDB182-GTRB4



TOLERANCES:  
 UNDER  $\frac{10.0}{(.394)} = \frac{±0.3}{(±.012)}$   $\frac{10.0 - 100}{(.394 - 3.937)} = \frac{±0.5}{(±.020)}$



**WARNING Cancer and Reproductive Harm**  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

\*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

Specifications are subject to change without notice.

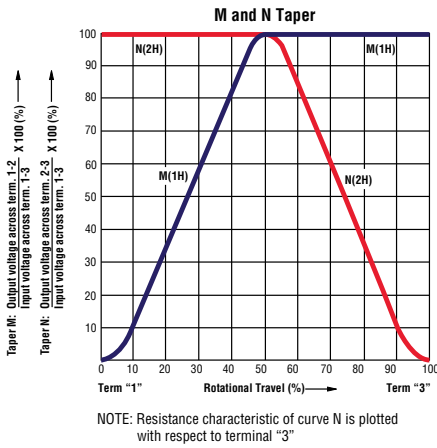
Users should verify actual device performance in their specific applications.

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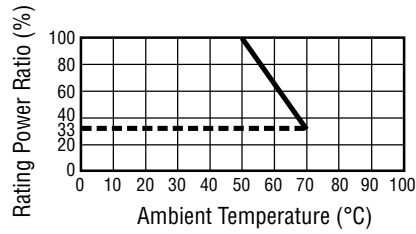
# PDB182-GTRB - 17 mm Blend-Balance Guitar Potentiometer

**BOURNS®**

## Taper Chart

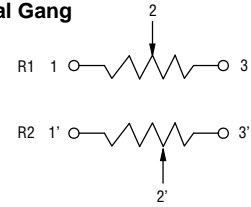


## Derating Curve



## Circuit

### Dual Gang



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