



BOURNS®

Features

- Carbon element
- Plain or knurled shaft option
- Metal bushing/metal shaft
- Center detent standard
- Rear solder lugs or PC pins
- 10K to 1M ohm 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	10K to 1M 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 Noise47 mV max.

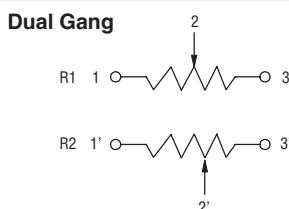
Mechanical Characteristics

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

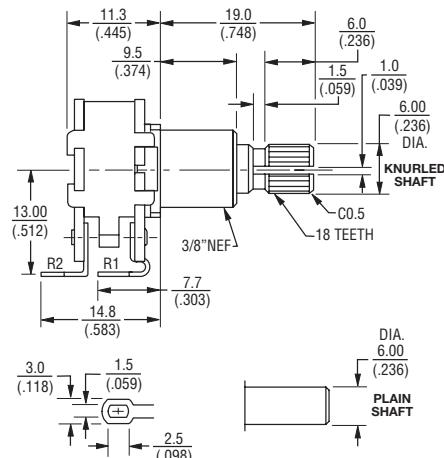
Resistance (Ohms)	Resistance Code
10,000	103
25,000	253
50,000	503
100,000	104
250,000	254
300,000	304
500,000	504
1,000,000	105

Circuit

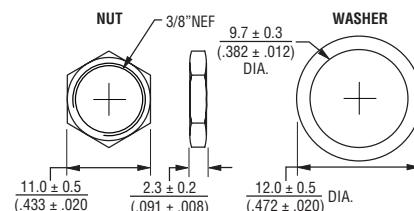
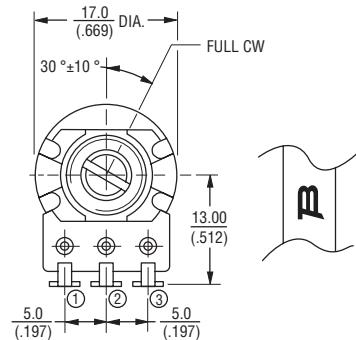
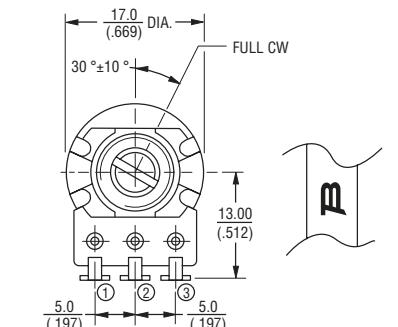
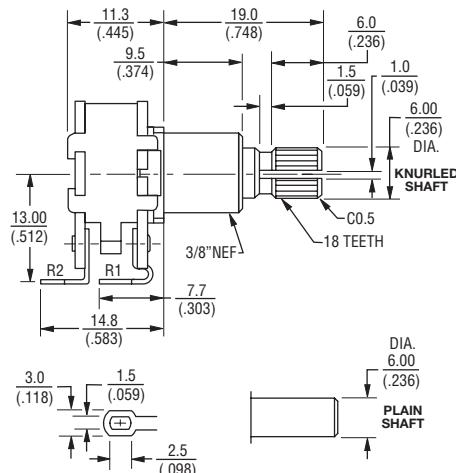


Product Dimensions

PDB182-GTRB1,
PDB182-GTRB2



PDB182-GTRB1,
PDB182-GTRB2



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

Additional Information

Click these links for more information:



PRODUCT



TECHNICAL LIBRARY



INVENTORY



SAMPLES



FOLLOW



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.

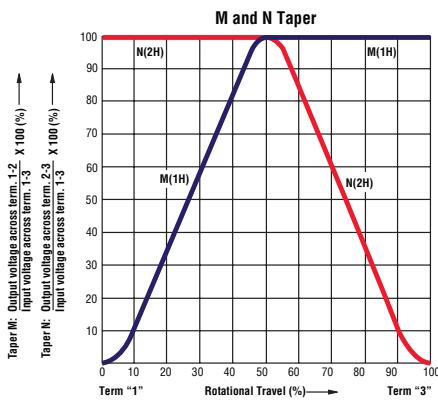
Users should verify actual device performance in their specific applications.

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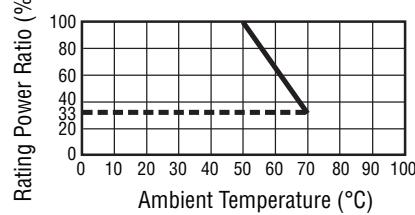
PDB182-GTRB - 17 mm Blend-Balance Guitar Potentiometer

BOURNS®

Taper Chart



Derating Curve



How to Order

PDB18 2 - GTR B1 - 254 MN

Model _____

Number of Sections _____
2 = Dual Section

Guitar Pot Designator _____

Configuration _____

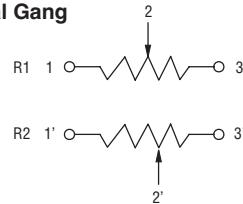
- B1 = Knurled Shaft/Solder Lugs/Center Detent
- B2 = Plain Shaft/Solder Lugs/Center Detent
- B3 = Knurled Shaft/PC Pins/Center Detent
- B4 = Plain Shaft/PC Pins/Center Detent

Resistance Code (See Table) _____

Resistance Taper (See Taper Chart) _____

Circuit

Dual Gang



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REV. 02/26

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