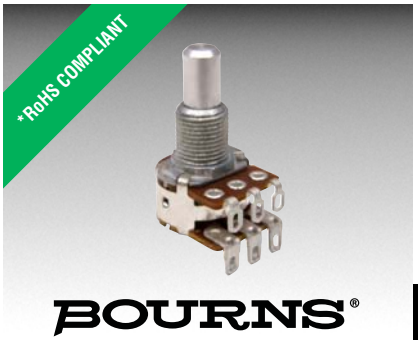


Features

- 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*

BOURNS® PRO AUDIO

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

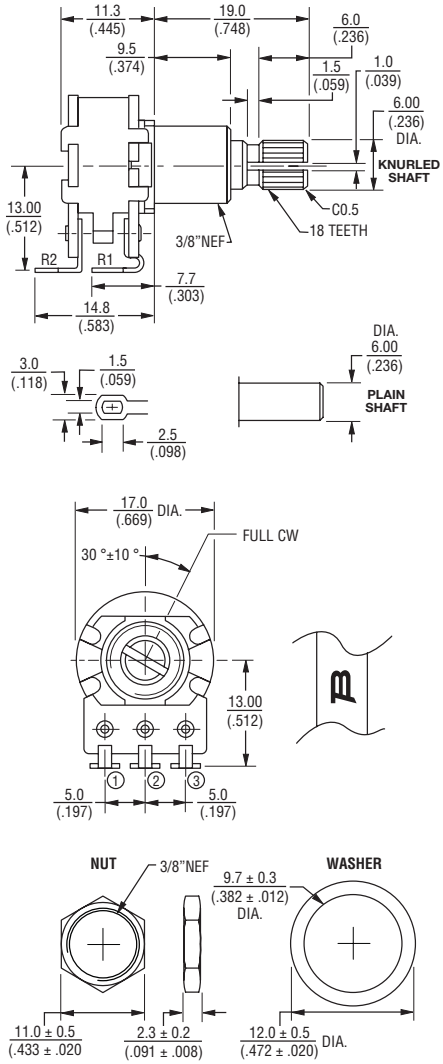
Mechanical Angle.....300 ° ±5 °
Rotational Torque ..... 10 to 150 gf-cm
Detent Torque..... 50 to 300 gf-cm
Stop Strength .....5 kg-cm min.
Rotational Life .....15,000 cycles
Soldering Condition
Manual/Wave
..... 260 °C max. for 3 seconds max.
Wash.....Not recommended
Hardware.....One flat washer and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

Standard Resistance Table

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

Product Dimensions

PDB182-GTRB1,
PDB182-GTRB2



TOLERANCES:

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

*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex.
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.

PDB182-GTRB - 17 mm Blend-Balance Guitar Potentiometer

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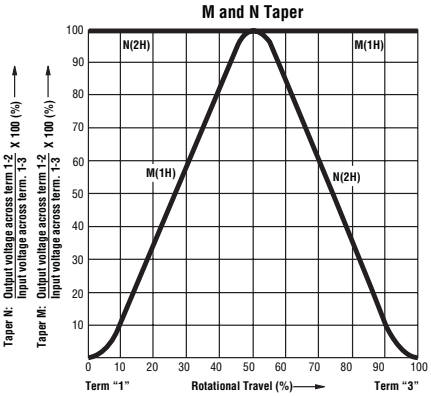
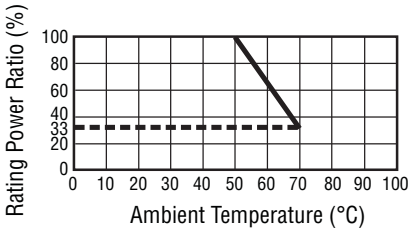
Taper Chart



NOTE: Resistance characteristic of curve N is plotted with respect to terminal "3"

Derating Curve



Circuit

Dual Gang