



PRODUCT EXTENSION RELEASE

SENSORS & CONTROLS



Bourns Expands Resistance Values for the PDB182-GTRB Series

Riverside, California - July 28, 2026 – The [PDB182-GTRB Series](#) is a 17 mm blend-balance guitar potentiometer engineered for smooth rotational feel, consistent torque profile, and low-noise audio signal control in musical instrument applications.

This product extension broadens the available resistance range from 10 kΩ to 1 MΩ, enabling improved impedance matching across a wider variety of pickup configurations and circuit topologies. The expanded resistance offering provides increased design flexibility for both passive and active instrument circuits while maintaining compatibility within the same mechanical footprint.

Series	Standard Resistance Range (Ω)	Standard Resistance Tolerance (%)	Mechanical Angle (°)	Operating Temperature (°C)
PDB182-GTRB	10 k to 1 M	±20	300 ±5	-10 to +50

Features

- Carbon element
- Plain or knurled shaft option
- Metal bushing/metal shaft
- Center detent standard
- Rear solder lugs or PC pins for flexible mounting options
- 10k to 1M ohm standard resistance values
- Standard M and N taper
- RoHS compliant*

Applications

- Audio/TV sets
- Car radio
- Amplifiers, mixers, drum machines, and synthesizers
- PCs and monitors
- Appliances

For additional details, please visit www.bourns.com or contact [Bourns Customer Service/Inside Sales](#).

Additional Information

[DATA SHEET](#)[PRODUCT SELECTOR](#)[TECHNICAL LIBRARY](#)[INVENTORY](#)[SAMPLES](#)[CONTACT](#)

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

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BOURNS®

	BOURNS	ALPS	NOBLE
1	PDB182-GTRB	ALPS:RK163	NOBLE:VB162