

Applications

- Various commercial applications
- Electric guitars
- Sound processing equipment
- Guitar and sound system amplifiers
- Appliances

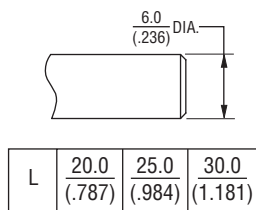
PDB24 Series - 24 mm Rotary Potentiometer **BOURNS®**

Product Dimensions

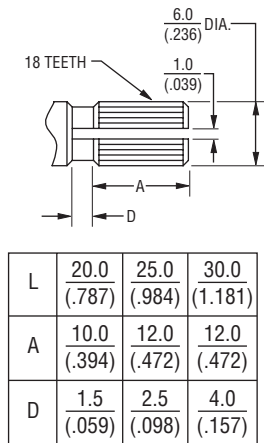
F Type



P Type



K Type



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

How To Order

PDB24 1 - E 4 25 K - 103 A2

Model _____

No. of Sections _____

- 1 = Single Section/Standard Rotational Life
- 2 = Single Section/High Rotational Life

Terminal Configuration (Pin Layout) (see individual drawings) _____

- E = Solder Lugs Rear Facing
- S = Solder Lugs Down Facing
- D = PC Pins Front Facing

Detent Option _____

- 2 = Center Detent
- 4 = No Detents

Standard Shaft Length _____

- 20 = 20 mm
- 25 = 25 mm
- 30 = 30 mm

Shaft Style _____

- K = Metal Knurled Type Shaft 18 Toothed Serration Type
- F = Metal Flatted Shaft
- P = Metal Plain Shaft

Resistance Code (See Table) _____

Resistance Taper (See Taper Chart) _____

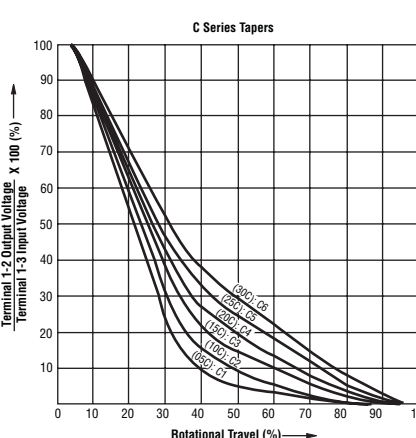
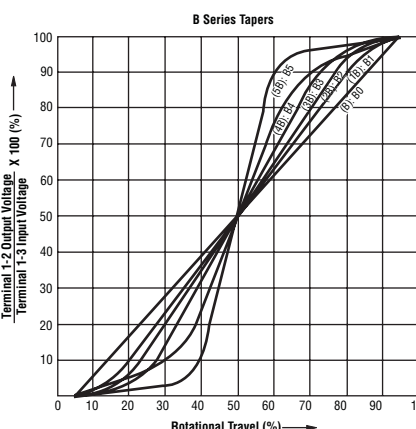
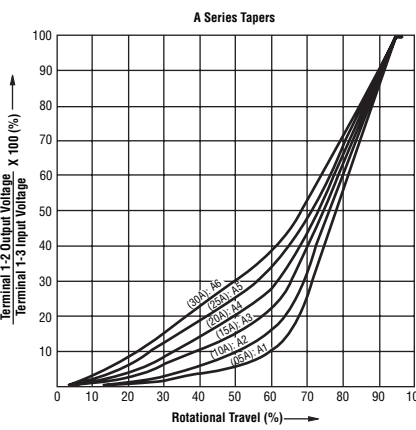
Taper Series followed by Curve Number

Other styles available.

Standard Resistance Table

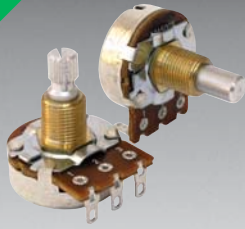
Resistance (Ohms)	Resistance Code
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
50,000	503
100,000	104
200,000	204
250,000	254
500,000	504
1,000,000	105

Tapers



Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications.

*ROHS COMPLIANT



BOURNS®

Features

- Low torque
- Carbon element
- Plain or knurled shaft option
- Metal bushing
- Metal shaft
- Rear solder lugs
- Audio or linear taper options



- Variety of resistance values
- RoHS compliant*

PDB241-GTR Series - 24 mm Guitar Potentiometer

Electrical Characteristics

Taper.....Audio, linear
 Standard Resistance 10K to 1M ohms
 Standard Resistance Tolerance.....±20 %

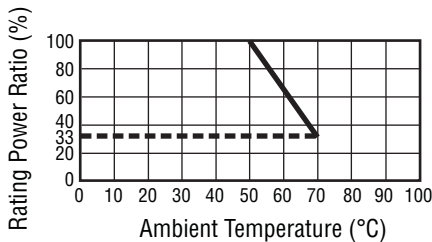
Environmental Characteristics

Operating Temperature-10 °C to +70 °C
 Power Rating.....0.25 watt
 Maximum Operating Voltage.....250 V
 Rotational Noise 150 mV max.

Mechanical Characteristics

Mechanical Angle300° ±5°
 Rotational Torque 10 to 45 g-cm
 Stop Strength8 kg-cm min.
 Rotational Life 15,000 cycles min.
 Soldering Condition
 Manual Soldering300 °C within 3 seconds
 Wave Soldering260 °C within 3 seconds
 HardwareOne flat washer and mounting nut supplied per potentiometer with bushing

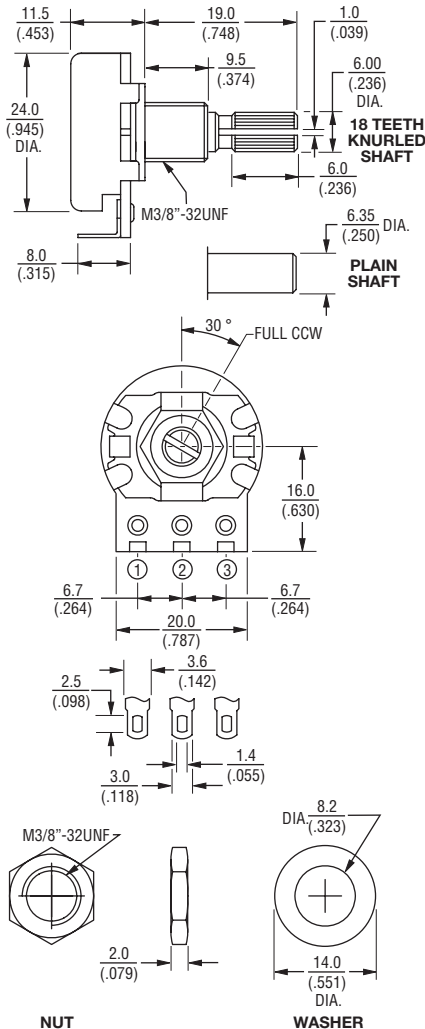
Derating Curve



Standard Resistance Table

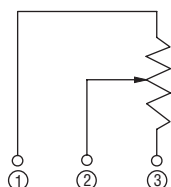
Resistance (Ohms)	Resistance Code
10,000	103
25,000	253
50,000	503
100,000	104
250,000	254
300,000	304
500,000	504
1,000,000	105

Product Dimensions

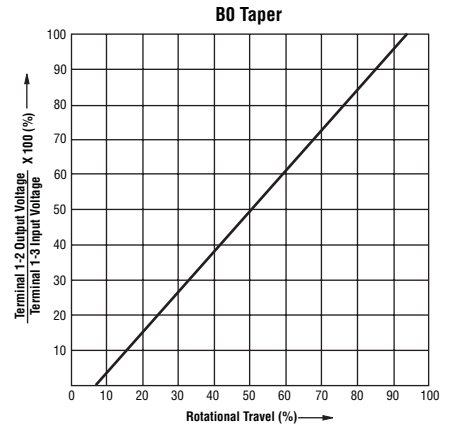
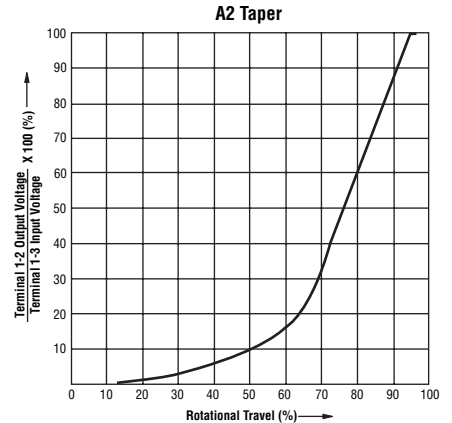


NUT
 TOLERANCES:
 UNDER 10.0 = ±0.3 (±.012) 10.0 ~ 100 = ±0.5 (±.020)
 DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

Circuit



Taper Chart



Other tapers available.

How To Order

PDB24 1 - GTR 01 - 504 A2

Model _____
 Number of Units _____
 1 = Single
 Guitar Pot Designator _____
 Configuration _____
 1 = Knurled Shaft / Solder Lugs
 2 = Plain Shaft / Solder Lugs
 Resistance Code (See Table) _____
 Resistance Taper (See Taper Charts) _____

*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.