Features
- Single and dual section control
- Metal shaft styles
- Carbon element
- Center and multiple detent options
- Wide range of resistance tapers
- Plain or knurled shaft options

PDB18 Series - 17 mm Rotary Potentiometer

Electrical Characteristics
Taper........................................... Linear, audio
Standard Resistance Range.............. 1 K ohms to 1 M ohms
Standard Resistance Tolerance........... ±20 %
Residual Resistance..................... 1 % max.

Environmental Characteristics
Operating Temperature...-10 °C to +50 °C
Power Rating
- Linear ..................................... 0.2 watt
- Dual Section .................. 0.125 watt
- Audio.................................. 0.1 watt
 Maximum Operating Voltage
- Linear ..................................... 200 V
- Audio.................................. 150 V
 Sliding Noise ......................... 47 mV max.

Mechanical Characteristics
Mechanical Angle ...................... 300 ° ±5 °
Rotational Torque ............... 10 to 150 gf-cm
Detent Torque .................. 150 to 500 g-cm
Stop Strength .................... 5 kg-cm min.
Rotational Life ................ 15,000 cycles
Soldering Condition
............................................ 260 °C max. within 3 seconds
Hardware......................... One flat washer and mounting nut supplied per potentiometer with bushing

Derating Curve

WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov
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Users should verify actual device performance in their specific applications.
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Additional Features
- Linear, audio and reverse audio taper options
- RoHS compliant*

Applications
- Audio/TV sets
- Amplifiers/mixers/drum machines/synthesizers
- PCs/monitors
- Appliances

PDB18 Series - 17 mm Rotary Potentiometer

Product Dimensions

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### Product Dimensions

#### PDB182-E
- Dual Gang
- **K Type**
  - L: 15 (0.591), 18 (0.709), 20 (0.787), 25 (1.181), 30 (1.181)
  - A: 6.5 (0.256), 6.5 (0.256), 11.5 (0.453), 14 (0.551), 19 (0.748)

#### PDB182-D
- Dual Gang
- **K Type**
  - L: 20 (0.787), 25 (0.984), 30 (1.181)

#### Shaft Styles

#### K Type
- Shaft Styles
  - K Type
  - P Type
  - F Type

### Specifications

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How To Order

**PDB18 1 - K 4 25 K - 103 A1**

Model:

- **K** = PC Pins vertical/Down Facing (12.5 mm)
- **A** = PC Pins vertical/Down Facing (18.0 mm)
- **B** = PC Pins vertical/Down Facing (23.0 mm)
- **E** = Solder Lugs Rear Facing
- **P** = PC Pins Rear Facing
- **D** = PC Pins Front Facing

Terminal Configuration (Pin Layout)

- **K** = PC Pins vertical/Down Facing (12.5 mm)
- **A** = PC Pins vertical/Down Facing (18.0 mm)
- **B** = PC Pins vertical/Down Facing (23.0 mm)
- **E** = Solder Lugs Rear Facing
- **P** = PC Pins Rear Facing
- **D** = PC Pins Front Facing

Detent Option

- **2** = Center Detent
- **4** = No Detents
- **5** = 10 Detent / 11 Position
- **6** = 20 Detent / 21 Position
- **7** = 30 Detent / 31 Position
- **8** = 40 Detent / 41 Position

Standard Shaft Length

- **15** = 15 mm
- **18** = 18 mm
- **20** = 20 mm
- **25** = 25 mm
- **30** = 30 mm

Shaft Style

- **F** = Metal Flatted Shaft
- **K** = Metal Knurled Type Shaft
- **P** = Metal Plain Shaft

Resistance Code (See Table)

Resistance Taper (See Taper Charts)

Taper Series followed by Curve Number

Other styles available.

**Standard Resistance Table**

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<th>Resistance (Ohms)</th>
<th>Resistance Code</th>
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**Tapers**

**A Series Tapers**

<table>
<thead>
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<th>Terminal 1-2 Voltage (V)</th>
<th>Rotational Travel (%)</th>
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**B Series Tapers**

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**C Series Tapers**

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