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

Product Dimensions

PDB18 Series - 17 mm Rotary Potentiometer

Specifications are subject to change without notice.
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
Users should verify actual device performance in their specific applications.
Additional Features
- Linear, audio and reverse audio taper options
- RoHS compliant*

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

PDB18 Series - 17 mm Rotary Potentiometer

Product Dimensions

PDB181-B

PDB181-E

PDB181-D

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PDB18 Series - 17 mm Rotary Potentiometer

Product Dimensions

PDB182-E
Dual Gang

PDB182-D
Dual Gang

Shaft Styles

K Type

<table>
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<tr>
<th>L</th>
<th>15</th>
<th>18</th>
<th>20</th>
<th>25</th>
<th>30</th>
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<tbody>
<tr>
<td>A</td>
<td>6.5</td>
<td>6.5</td>
<td>11.5</td>
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P Type

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<tbody>
<tr>
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<td>(.787)</td>
<td>(.984)</td>
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F Type

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<th>35</th>
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<tbody>
<tr>
<td>F</td>
<td>7</td>
<td>12</td>
<td>12</td>
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</table>

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How To Order

PDB18 1 - K 4 25 K - 103 A1

Model

Number of Sections
• 1 = Single Section
• 2 = Dual Section

Terminal Configuration (Pin Layout)
(see individual drawings)
• 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 Flattted 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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