

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

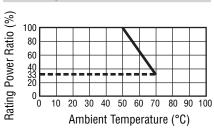
Electrical Characteristics

Environmental Characteristics

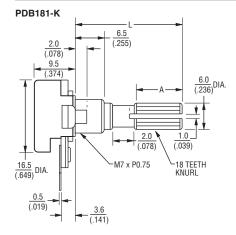
Mechanical Characteristics

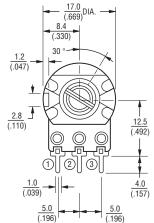
............260 °C max. within 3 seconds Hardware One flat washer and mounting nut supplied per potentiometer with bushing

Derating Curve



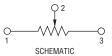
Product Dimensions

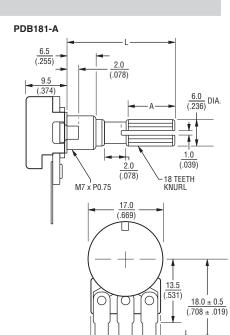


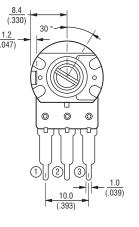


SHAFT SHOWN IN CCW POSITION

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







(.590)

4.0 (.157)

(.098

(.141)

SHAFT SHOWN IN CCW POSITION

 $^{^{\}star}$ RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

Additional Features

- Linear, audio and reverse audio taper options
- RoHS compliant*

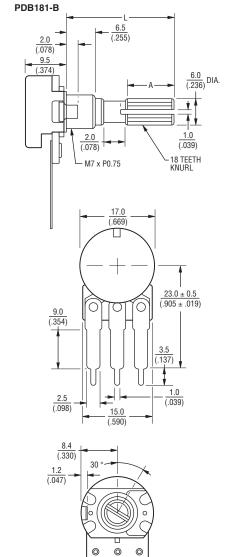
Applications

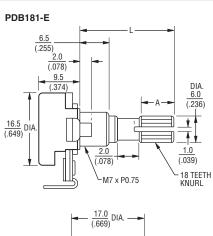
- Audio/TV sets
- Car radio
- Amplifiers/mixers/drum machines/ synthesizers
- PCs/monitors
- Appliances

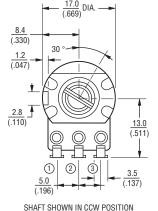
PDB18 Series - 17 mm Rotary Potentiometer

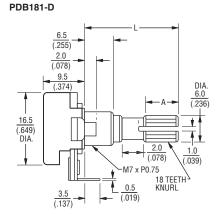
BOURNS

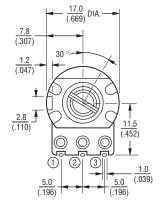
Product Dimensions











SHAFT SHOWN IN CCW POSITION

SHAFT SHOWN IN CCW POSITION

31

(.137)

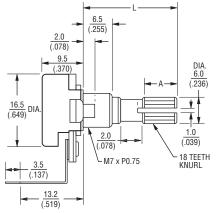
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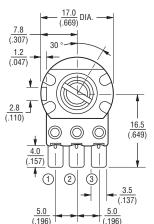
PDB18 Series - 17 mm Rotary Potentiometer

BOURNS

Product Dimensions

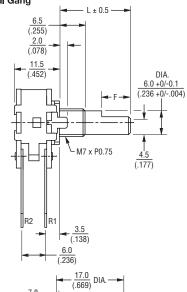
PDB181-P

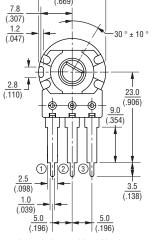




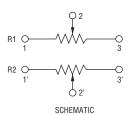
SHAFT SHOWN IN CCW POSITION

PDB182-B Dual Gang



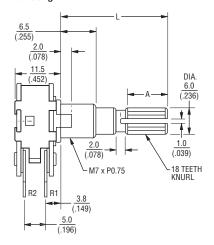


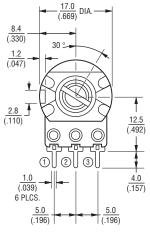
SHAFT SHOWN IN CCW POSITION



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

PDB182-K Dual Gang





SHAFT SHOWN IN CCW POSITION

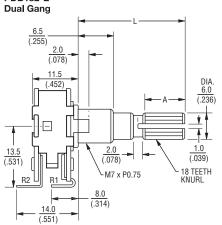
Specifications are subject to change without notice.

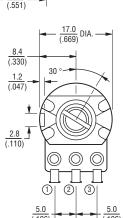
PDB18 Series - 17 mm Rotary Potentiometer

BOURNS

Product Dimensions

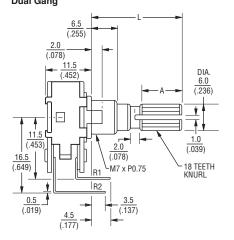
PDB182-E

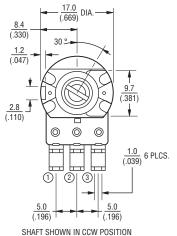




SHAFT SHOWN IN CCW POSITION

PDB182-D Dual Gang

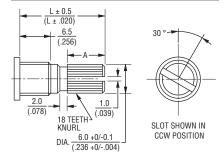




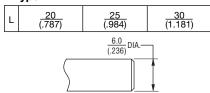
Shaft Styles

K Type

L	<u>15</u> (.591)	<u>18</u> (.709)	20 (.787)	25 (.984)	30 (1.181)
Α	<u>6.5</u> (.256)	<u>6.5</u> (.256)	11.5 (.453)	<u>14</u> (.551)	<u>19</u> (.748)

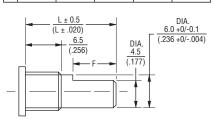


P Type

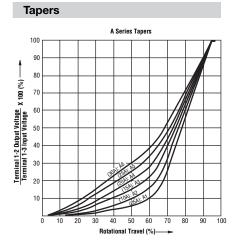


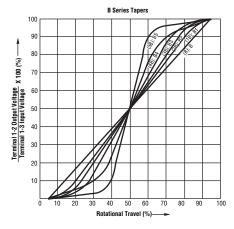
F Type

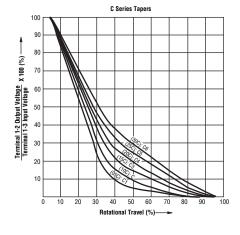
L	<u>15</u> (.591)	<u>20</u> (.787)	25 (.984)	30 (1.181)	35 (1.378)
F	<u>7</u> (.276)	<u>12</u> (.472)	<u>12</u> (.472)	<u>12</u> (.472)	<u>12</u> (.472)



PDB18 Series - 17 mm Rotary Potentiometer







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) PC Pins vertical/ Down Facing (12.5 mm) PC Pins vertical/ Down Facing (18.0 mm) PC Pins vertical Down Facing (23.0 mm) Solder Lugs Rear Facing PC Pins Rear Facing PC Pins Front Facing Detent Option • 2 = Center Detent • 4 = No Detents • 5 = 10 Detent / 11 Position

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			
500,000	504			
1,000,000	105			
.,220,000	1 .30			

Orian Otylo				
F = Metal Flatted Shaft				
 K = Metal Knurled Type Shaft 				
18 Toothed Serration Type				
• P = Metal Plain Shaft				
Resistance Code (See Table)				
Resistance Taper (See Taper Charts) Taper Series followed by Curve Number				
Other styles available				

• 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 mmShaft Style

Other styles available.

REV. 03/13

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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bourns:

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PDB181-K PDB182-K230K-104A PDB182-K230K-104B PDB181-E420F-503B PDB181-E420K-102B PDB181-
E420K-103B PDB181-E420K-104B PDB181-E420K-105B PDB181-E420K-502B PDB181-E420K-504B PDB181-
K220K-102B PDB181-K220K-103B PDB181-K220K-104B PDB181-K220K-502B PDB181-K220K-503B PDB181-
K415K-102A PDB181-K420K-102A PDB181-K420K-102B PDB181-K420K-103A PDB181-K420K-103B PDB181-
K420K-104A PDB181-K420K-105A PDB181-K420K-105B PDB181-K420K-202A PDB181-K420K-203A PDB181-
K420K-203B PDB181-K420K-204A PDB181-K420K-204B PDB181-K420K-502A PDB181-K420K-502B PDB181-
K420K-503A PDB181-K420K-504A PDB181-K425K-104B PDB182-K220K-102B PDB182-K220K-103B PDB182-
K220K-104B PDB182-K220K-502B PDB182-K220K-503A PDB182-K420K-203B PDB182-K420K-504A PDB182-
K420K-504B PDB181-A420K-103B PDB181-A425K-203A PDB181-A425K-203B PDB181-K420K-104B PDB182-
B230K-104A PDB182-D420K-503A PDB182-E420K-103A PDB182-K425K-103A PDB182-K430K-104A PDB182-
K430K-503A PDB182-K420K-103B PDB181-K420K-204A2 PDB181-K420K-203A2 PDB182-K420K-103A PDB181-
E415K-204B PDB181-E420P-103B PDB181-E415K-102B PDB181-K418K-104B PDB182-K418F-105B PDB181-
E415P-104A2 PDB181-E415F-103A2 PDB181-E420K-503B PDB181-K420K-502A2 PDB181-K420K-103C PDB181-
E420F-103B1 PDB181-E415F-105A2 PDB182-E425K-254A2 PDB181-K420P-105A2 PDB181-K420K-103A2
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PDB181-E418F-105B PDB181-P415F-504A1 PDB181-K420P-105C PDB181-P425F-103B PDB181-A425K-203A2
PDB181-E420K-204A2 PDB181-K415K-102A2 PDB181-E415P-203B PDB181-K420K-504B PDB181-E415F-503A2
PDB181-E415F-504A2 PDB181-A420K-104B PDB181-K420K-105A2 PDB182-K415K-102B PDB181-E415K-103A1
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