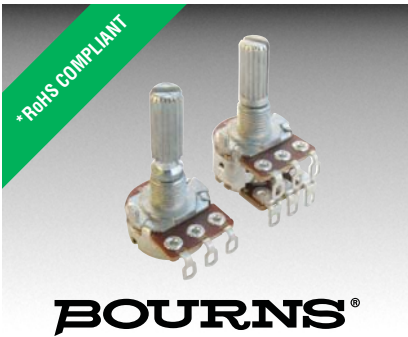




Features

- 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.

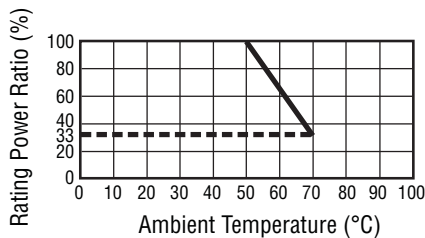
Environmental Characteristics

Operating Temperature.... -10 °C to +50 °C
Power Rating
Linear 0.2 watt
Dual Section..... 0.125 watt
Audio 0.1 watt
Dual Section..... 0.06 watt
Maximum Operating Voltage
Linear 200 V
Audio 150 V
Sliding Noise 47 mV max.

Mechanical Characteristics

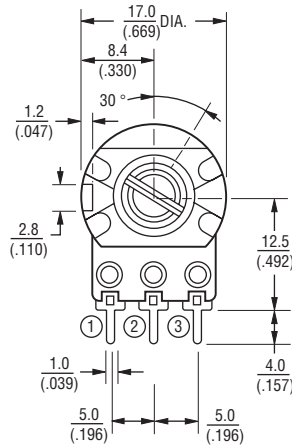
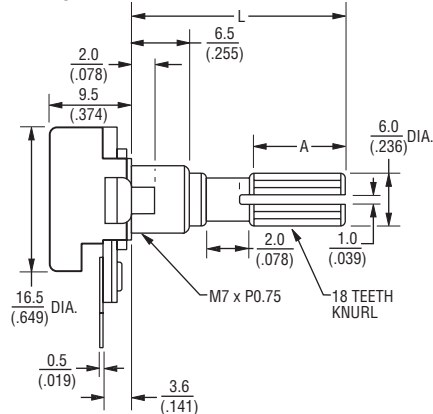
Mechanical Angle 300 ° ±5 °
Rotational Torque 10 to 150 gf-cm
Detent Torque 150 to 500 g-cm
Stop Strength 5 kg-cm min.
Rotational Life 15,000 cycles
Soldering Condition
..... 260 °C max. within 3 seconds
Hardware One flat washer and
mounting nut supplied per
potentiometer with bushing

Derating Curve



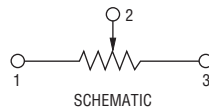
Product Dimensions

PDB181-K

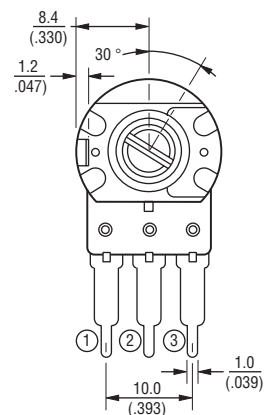
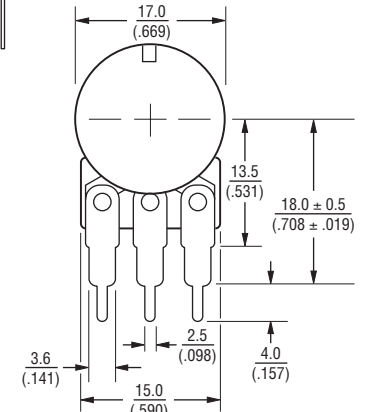
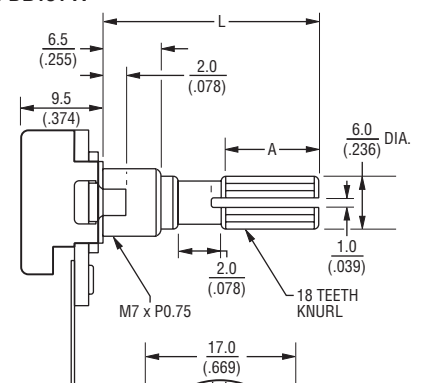


SHAFT SHOWN IN CCW POSITION

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



PDB181-A



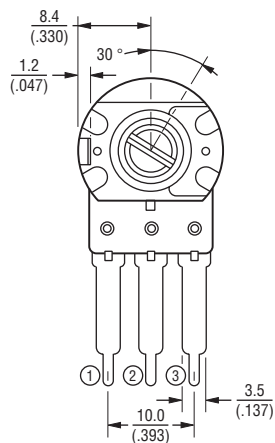
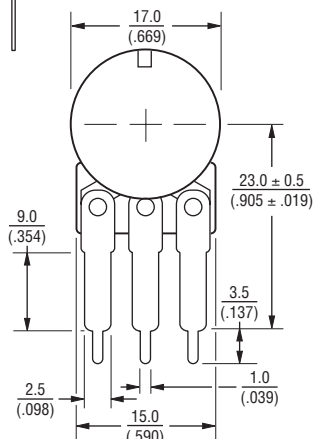
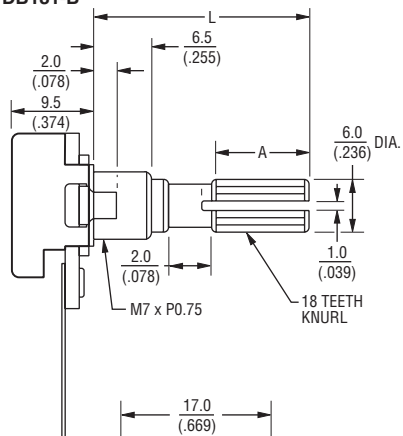
SHAFT SHOWN IN CCW POSITION

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

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

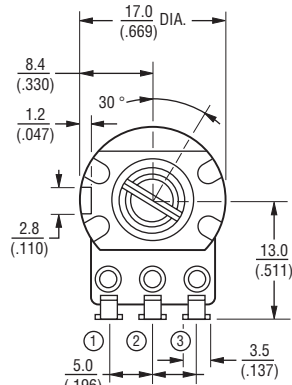
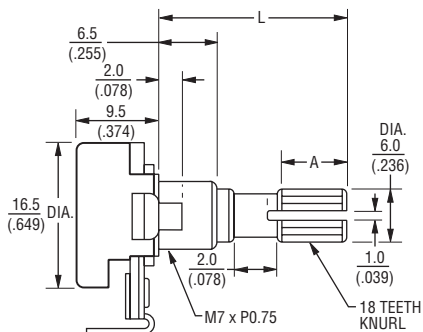
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PDB181-B



SHAFT SHOWN IN CCW POSITION

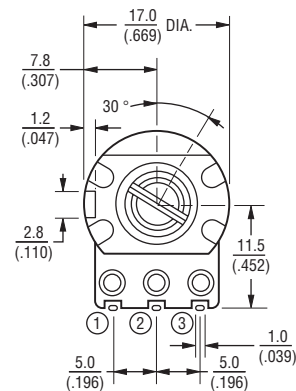
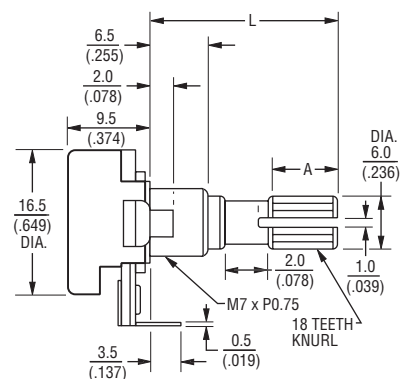
PDB181-E



SHAFT SHOWN IN CCW POSITION

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

PDB181-D



SHAFT SHOWN IN CCW POSITION

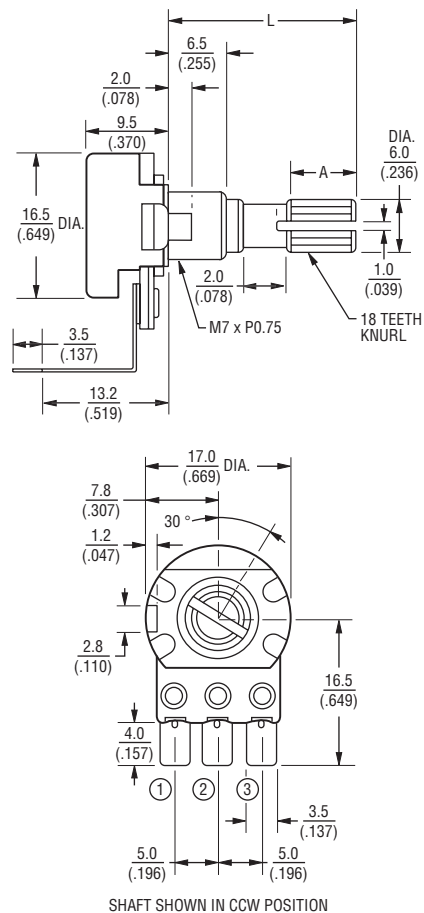
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.

PDB18 Series - 17 mm Rotary Potentiometer

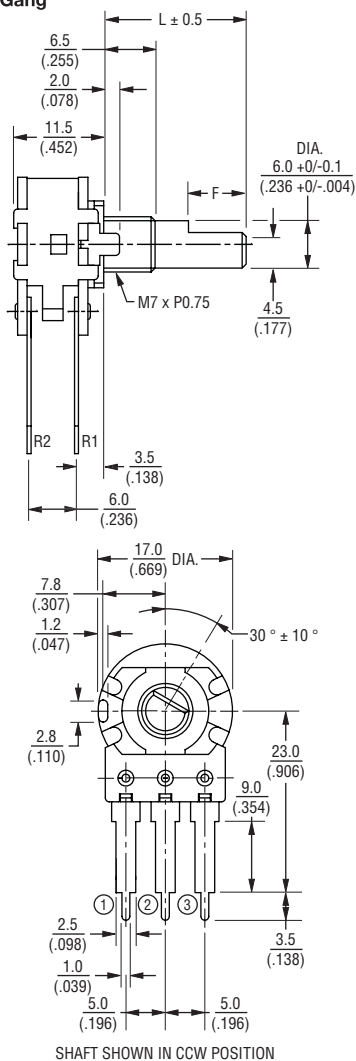
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Product Dimensions

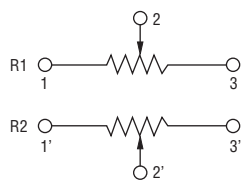
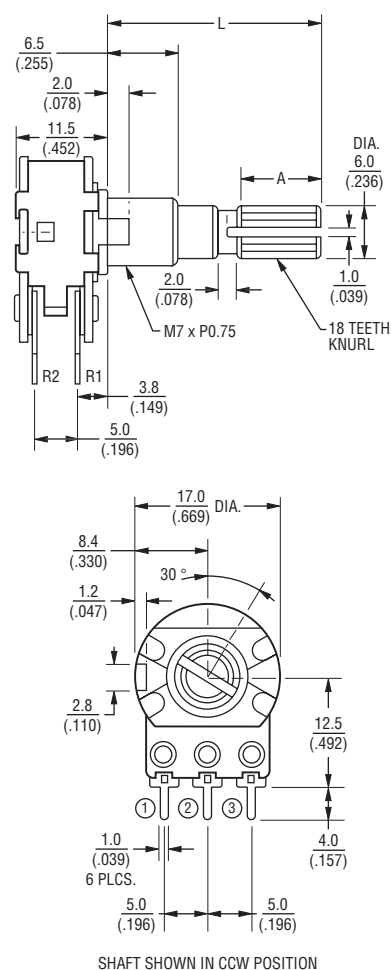
PDB181-P



PDB182-B
Dual Gang



PDB182-K
Dual Gang



SCHEMATIC

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

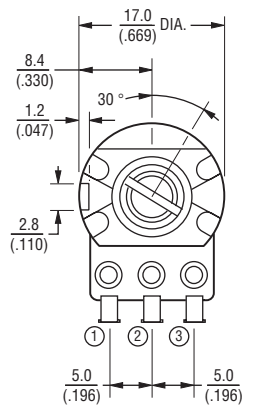
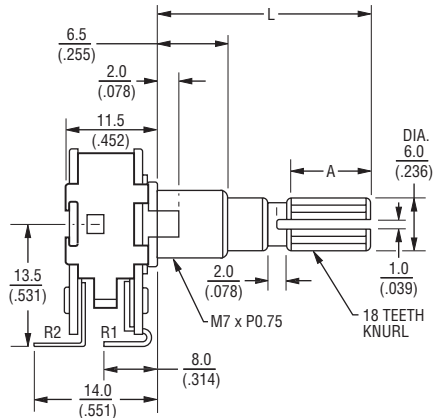
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PDB18 Series - 17 mm Rotary Potentiometer

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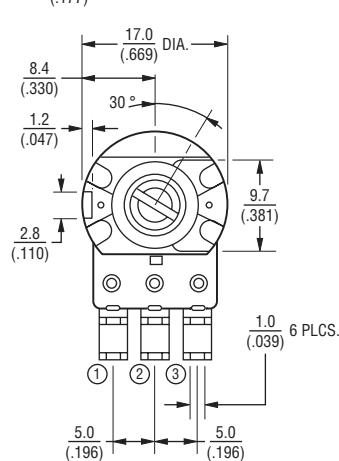
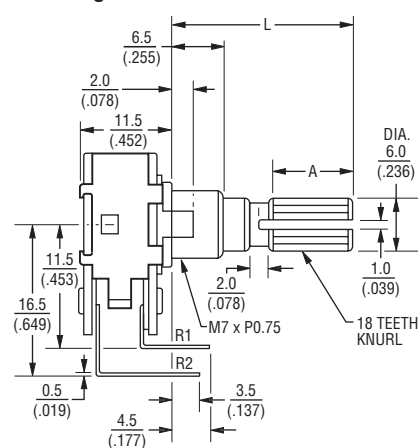
Product Dimensions

PDB182-E
Dual Gang



SHAFT SHOWN IN CCW POSITION

PDB182-D
Dual Gang



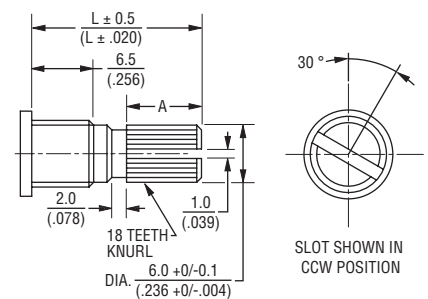
SHAFT SHOWN IN CCW POSITION

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

Shaft Styles

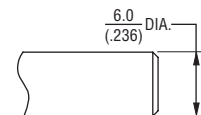
K Type

L	15 (.591)	18 (.709)	20 (.787)	25 (.984)	30 (1.181)
A	6.5 (.256)	6.5 (.256)	11.5 (.453)	14 (.551)	19 (.748)



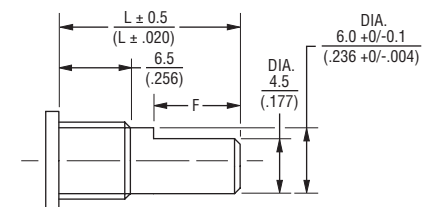
P Type

L	20 (.787)	25 (.984)	30 (1.181)
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F Type

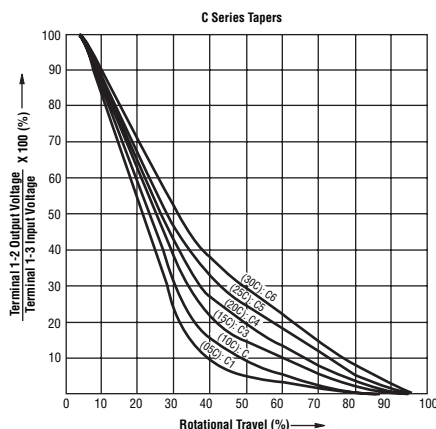
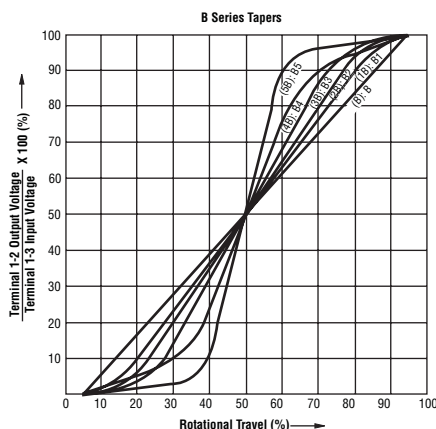
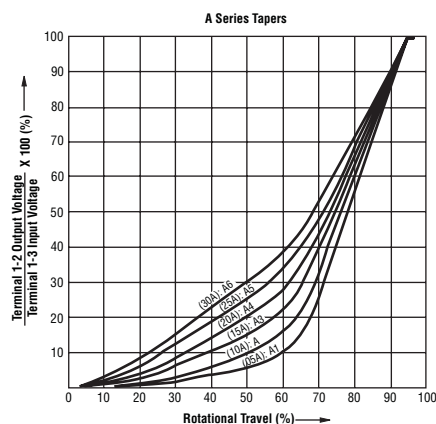
L	15 (.591)	20 (.787)	25 (.984)	30 (1.181)	35 (1.378)
F	7 (.276)	12 (.472)	12 (.472)	12 (.472)	12 (.472)



PDB18 Series - 17 mm Rotary Potentiometer

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Tapers



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 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.

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

REV. 01/12

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