

BOURNS[®]

Features

- Single and dual section control
- Metal shaft styles
- Carbon element
- Center detent option
- Wide range of resistance tapers

Applications

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

PDB18 Series - 18mm Rotary Potentiometer

Electrical Characteristics

TaperA, B
 Standard Resistance Range1K ohms to 1M ohms
 Standard Resistance Tolerance±20%
 Standard Nominal Resistance ValueSee standard resistance table
 Residual ResistanceMaximum 1%

Environmental Characteristics

Power Rating
 Taper B0.2 watt
 Dual Section0.125 watt
 Taper A0.1 watt
 Dual Section0.06 watt
 Maximum Operating Voltage
 Taper B200 V
 Taper A150 V
 Sliding Noise47mV maximum

Physical Characteristics

Mechanical Angle300° ±5°
 Rotational Torque50 to 350 gcm
 Click Torque150 to 500 gcm
 Stop- End Strength5 kgcm minimum
 Rotational Life15,000 cycles minimum
 Soldering Condition260°C max.
 within 3 seconds

How To Order

PDB18 1 - K 4 25 K - 103 A

Model

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

Terminal Configuration (Pin Layout)
 • K = PC Pins vertical/Down Facing

Option
 • 4 = No Center Detent
 • 2 = Center Detent

Standard Shaft Length
 • 20 = 20mm
 • 25 = 25mm

Shaft Style
 • K = Metal Knurled Type Shaft
 18 Toothed Serration Type

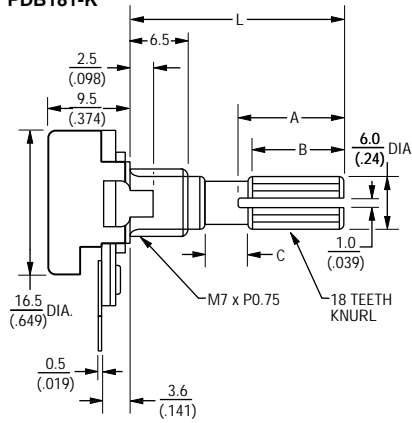
Resistance Code (See Table)

Resistance Taper
 • A = Audio Taper
 • B = Linear Taper

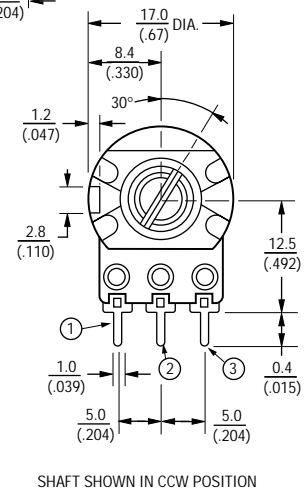
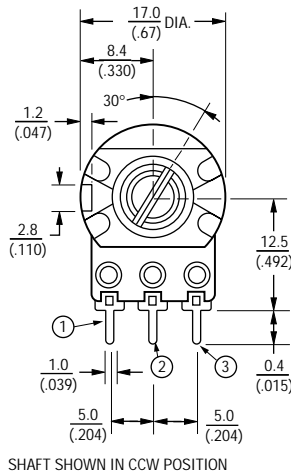
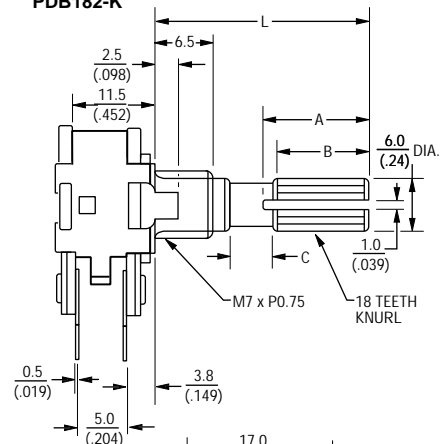
Other styles available.

Product Dimensions

PDB181-K



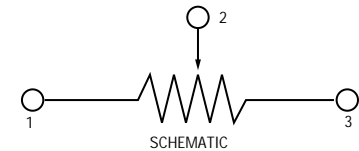
PDB182-K



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 |

DIMENSIONS ARE: $\frac{\text{METRIC}}{\text{(INCHES)}}$



PDB18 Dimensions

| | | |
|---|--------|--------|
| L | 20 | 25 |
| | (.787) | (.984) |
| A | 12 | 14 |
| | (.472) | (.551) |
| B | 10 | 12 |
| | (.393) | (.472) |
| C | 2 | 2 |
| | (.078) | (.078) |