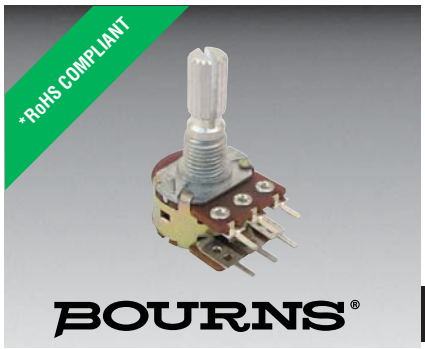


Features

- PC pin or solder lug terminals
- Rotary switch option
- Metal shaft styles
- Carbon element
- Audio, linear, and reverse audio tapers
- RoHS compliant*

BOURNS® PRO AUDIO

PDB184 - 17 mm Rotary Potentiometer w/Rotary Switch

Electrical Characteristics

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

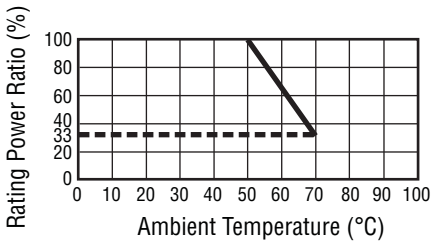
Environmental Characteristics

Operating Temperature
.....-10 °C to +50 °C
Power Rating
Linear .....0.125 watt
Audio.....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 .....30 to 100 g-cm
Stop Strength .....5 kg-cm min.
Rotational Life .....15,000 cycles
Switch Life.....15,000 cycles
Switch Type .....SPDT
Switching Angle.....50 ° max.
Soldering Condition
..... 260 °C max. within 3 seconds
Hardware .....One flat washer and mounting nut supplied per potentiometer with bushing

Derating Curve

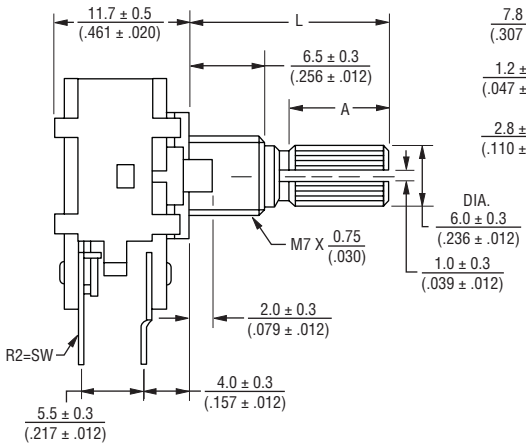


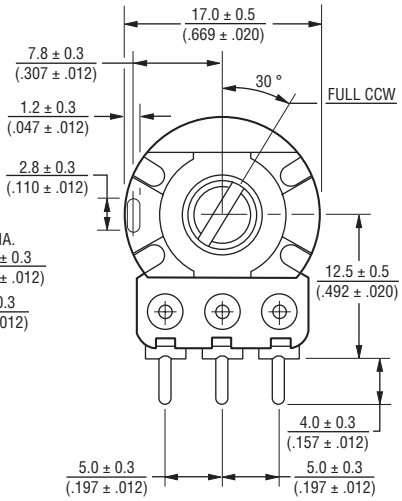
Standard Resistance Table

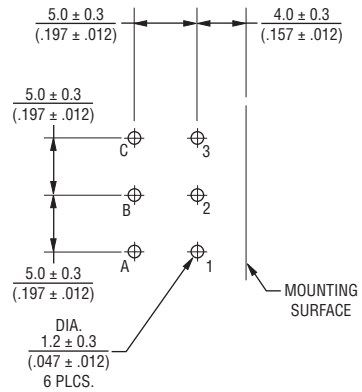
Resistance (Ohms)	Resistance Code
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
50,000	503
100,000	104
200,000	204
500,000	504
1,000,000	105

Product Dimensions

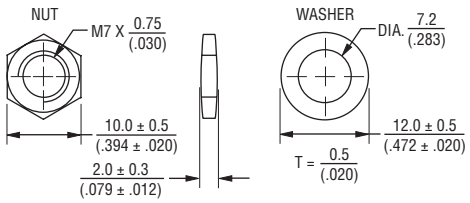
PDB184-K





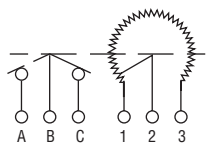


DIMENSIONS: MM / (INCHES)



L	20 (.787)	25 (.984)	30 (1.181)
A	12 (.472)	14 (.551)	12 (.472)

Schematic



*RoHS Directive 2002/95/EC Jan 27 2003 including Annex
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.

Applications

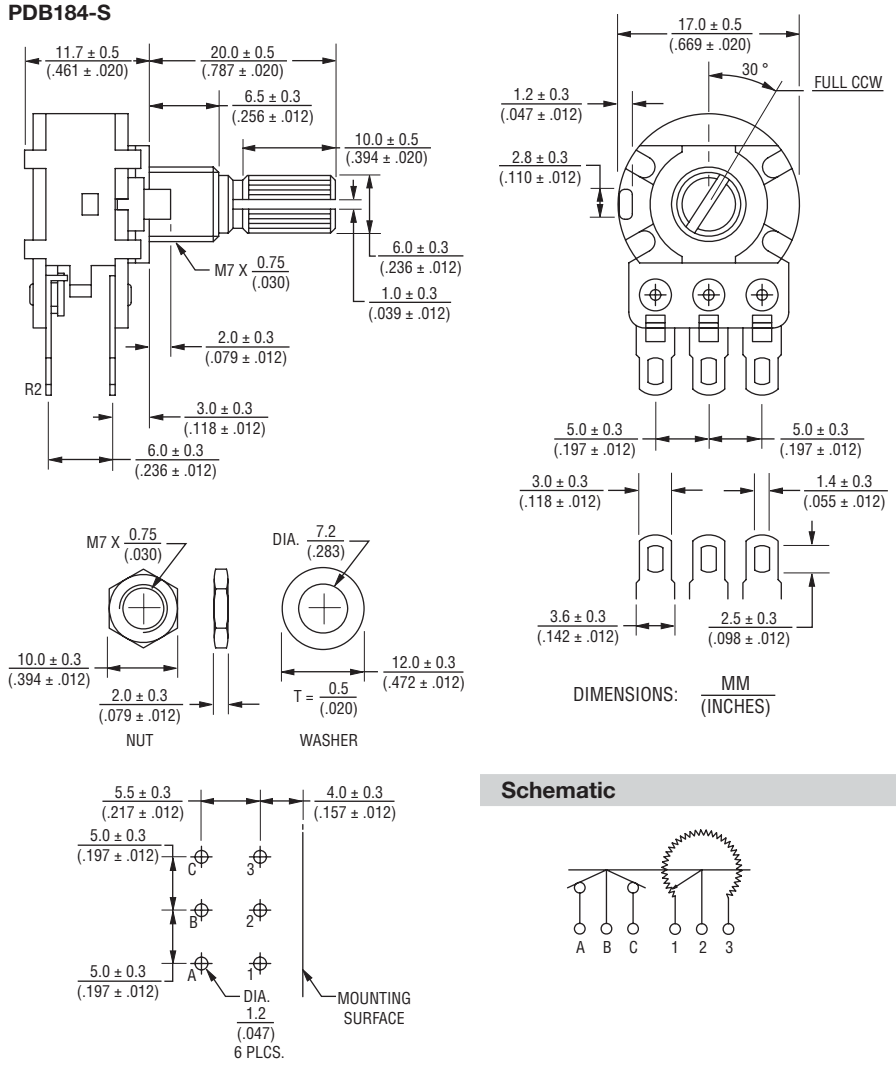
- Car audio controls
- Amplifiers
- Mixers
- Drum machines
- Synthesizers

PDB184 - 17 mm Rotary Potentiometer w/Rotary Switch

BOURNS®

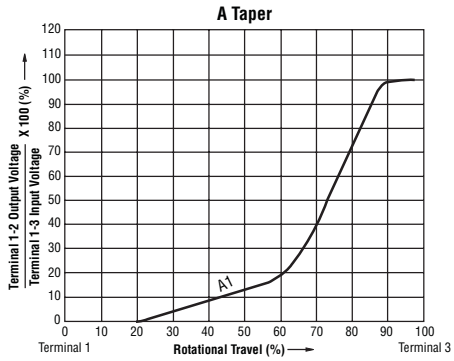
Product Dimensions

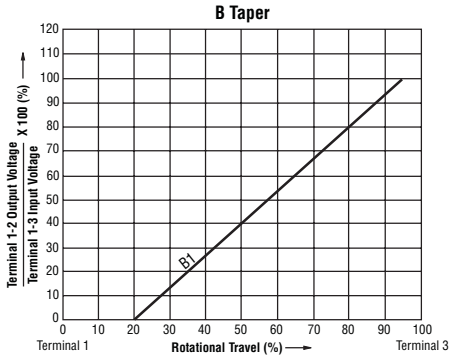
PDB184-S

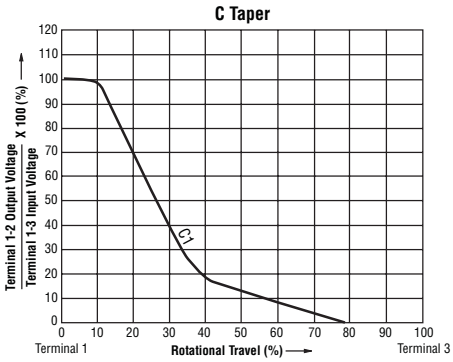


Schematic

Tapers







How To Order

PDB184 - K 4 25 K - 103 A1

Model

Terminal Configuration (Pin Layout) (see individual drawings)
- K = PC Pins Vertical/Down Facing(12.5 mm)
- S = Solder Lugs Vertical/Down Facing

Detent Option
- 4 = No Detents

Standard Shaft Length
- 20 = 20 mm • 25 = 25 mm • 30 = 30 mm

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

Resistance Code (See Table)

Resistance Taper (See Taper Charts)

REV. 02/10