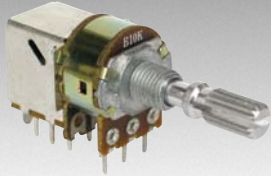


*RoHS COMPLIANT



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Features

- PC pin or solder lug terminals
- Push-pull switch option
- Metal shaft styles
- Carbon element
- Wide range of resistance tapers
- RoHS compliant*



PDB183 - 17 mm Rotary Potentiometer w/Push-Pull Switch

Electrical Characteristics

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

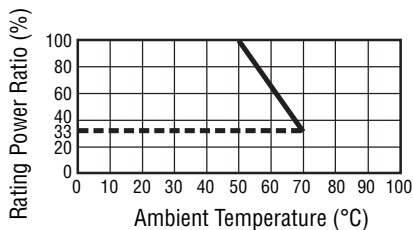
Environmental Characteristics

Operating Temperature
..... -10 °C to +50 °C
Power Rating
Linear 0.2 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 30 to 100 g-cm
Stop Strength 5 kg-cm min.
Rotational Life 15,000 cycles
Switch Life 15,000 cycles
Switch Type DPDT
Switch Travel 4.3 ± 0.2 mm
(.169 ± .008 in.)
Soldering Condition
..... 260 °C max. within 3 seconds
Hardware One flat washer and
mounting nut supplied per
potentiometer with bushing

Derating Curve

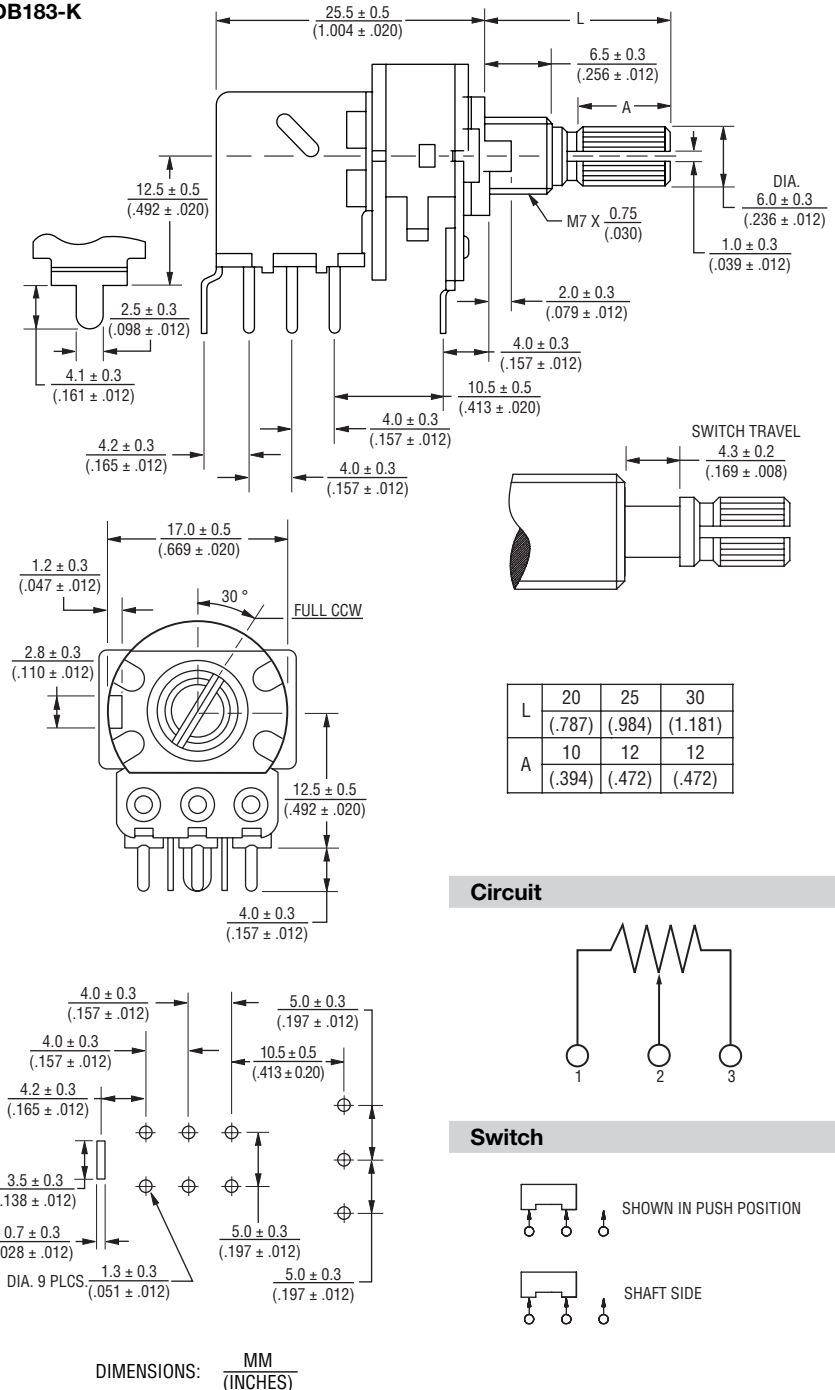


Standard Resistance Table

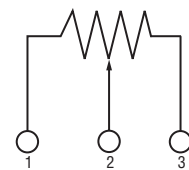
Resistance (Ohms)	Resistance Code
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
50,000	503
100,000	104
200,000	204
500,000	504
1,000,000	105

Product Dimensions

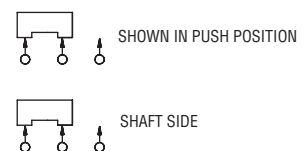
PDB183-K



Circuit



Switch



*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

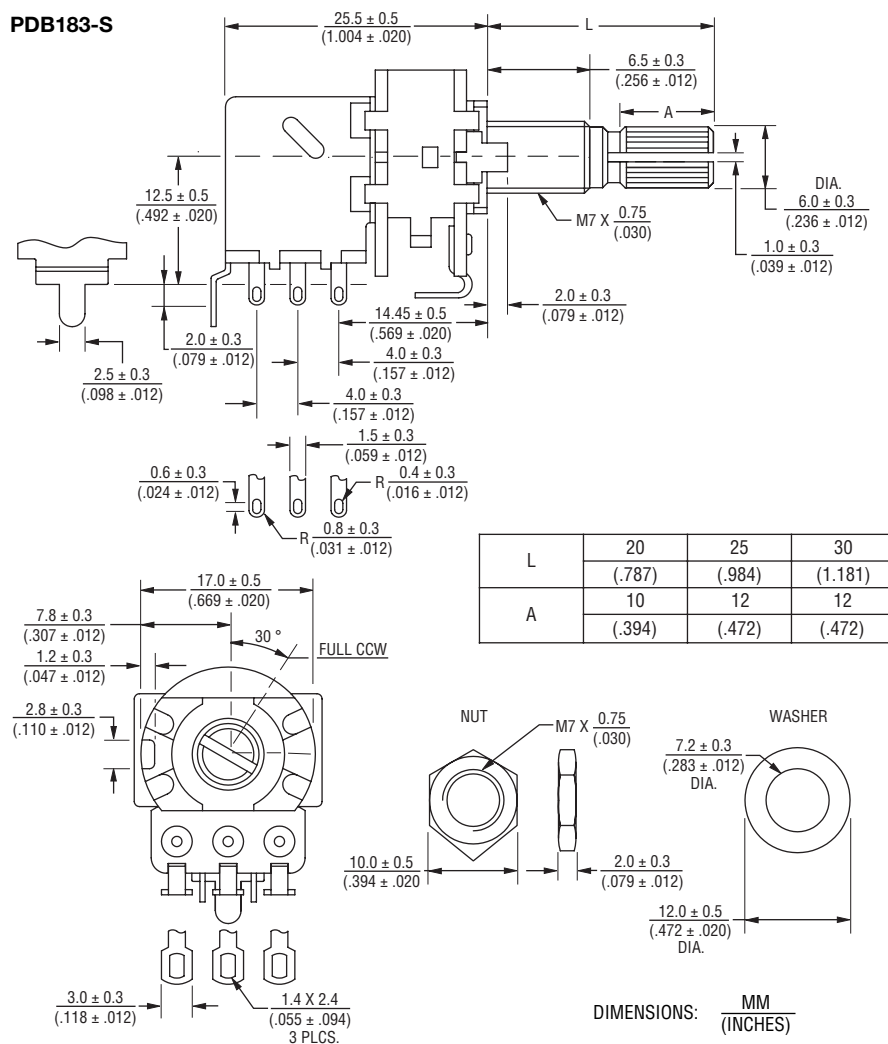
- Electric guitars
- Amplifiers/mixers/drum machines/synthesizers

PDB183 - 17 mm Rotary Potentiometer w/Push-Pull Switch

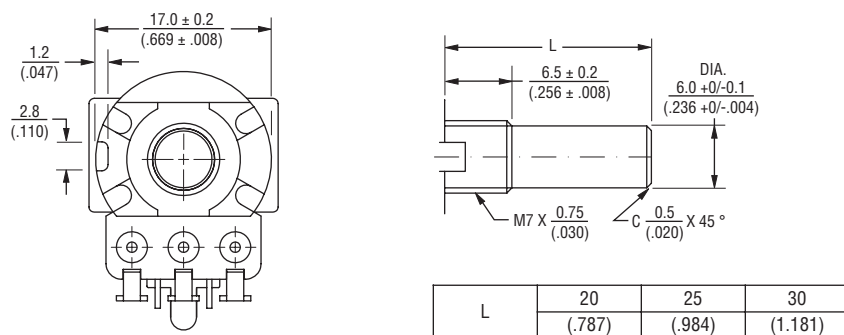
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Product Dimensions

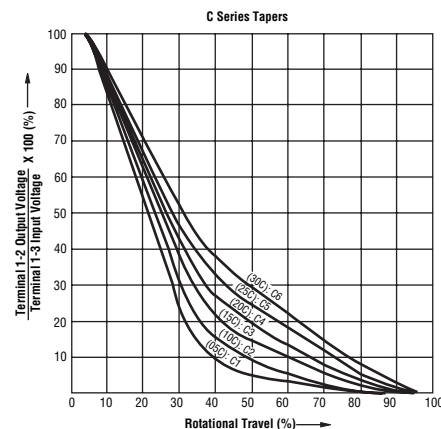
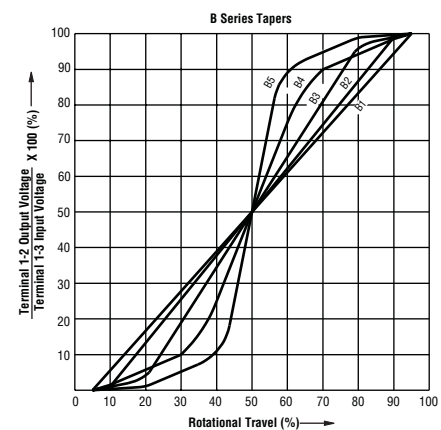
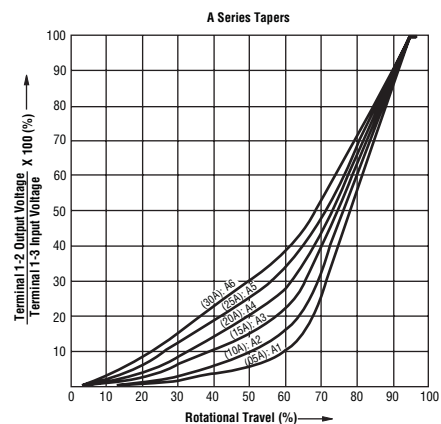
PDB183-S



PDB183-xxxxP



Tapers

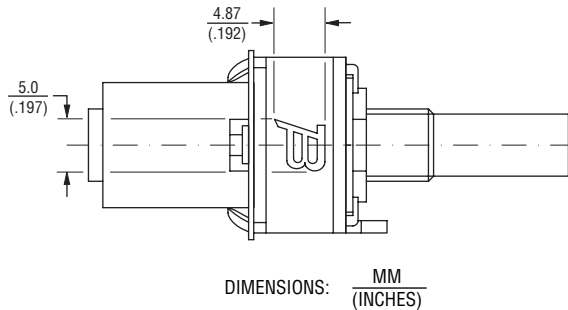


Specifications are subject to change without notice.
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PDB183 - 17 mm Rotary Potentiometer w/Push-Pull Switch

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Typical Part Marking



How To Order

PDB183 - 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 Horizontal/Rear Facing
 Detent Option _____
 • 2 = Center Detent
 • 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
 • P = Metal Plain Type Shaft
 Resistance Code (See Table) _____
 Resistance Taper (See Taper Charts) _____
 Taper Series followed by Curve Number