

## 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.

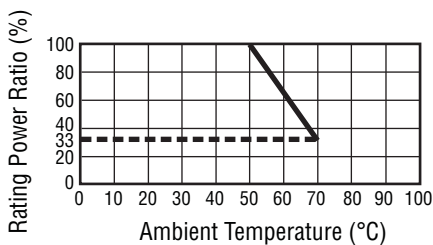
### Environmental Characteristics

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

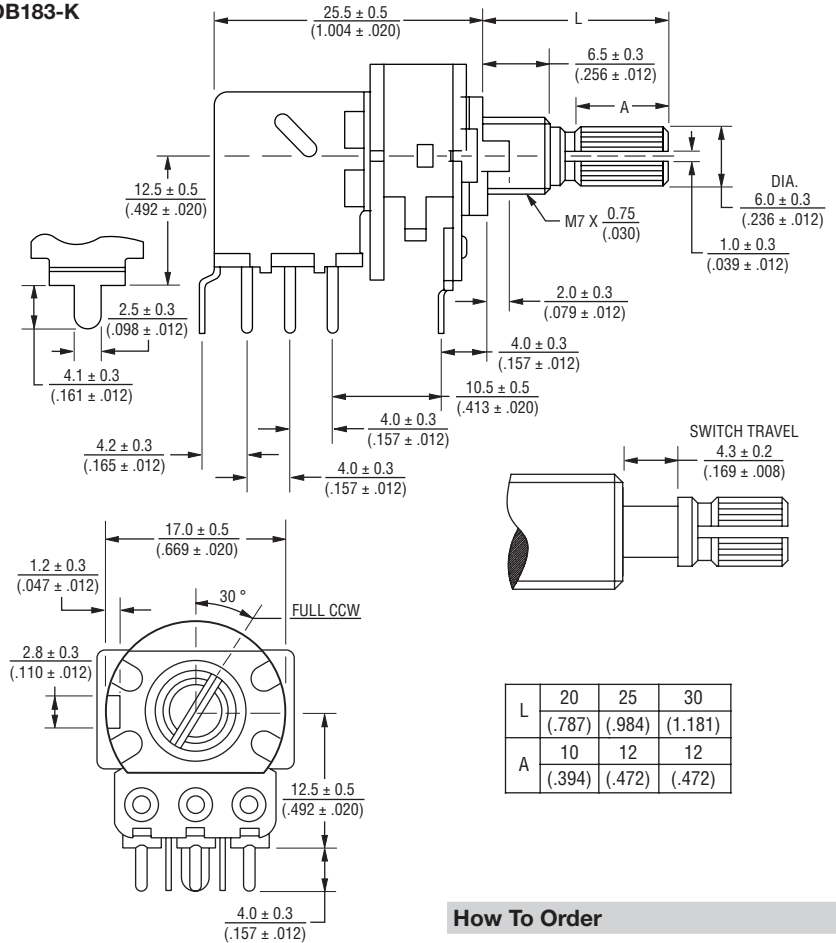


### Standard Resistance Table

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



	20	25	30
L	(.787)	(.984)	(1.181)
A	(.394)	(.472)	(.472)

### 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 \_\_\_\_\_  
 • 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) \_\_\_\_\_  
 Taper Series followed by Curve Number

\*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

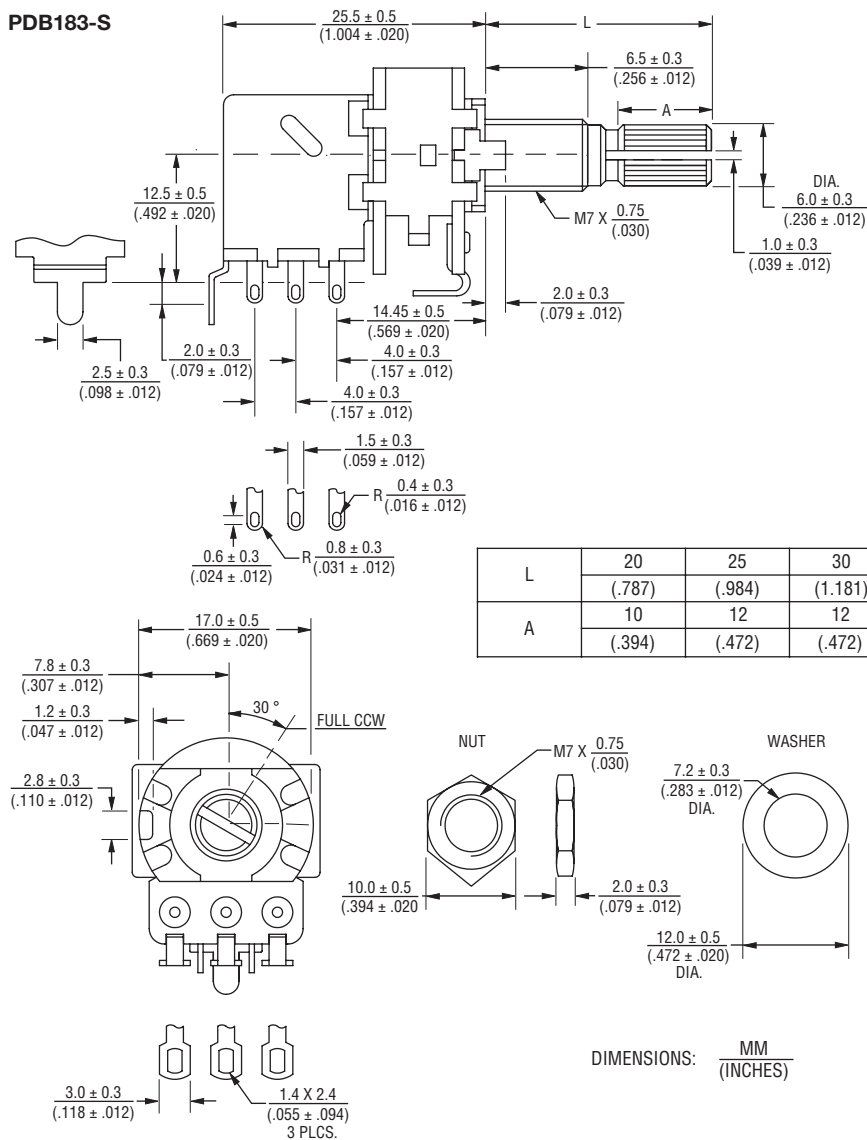
- Electric guitars
- Amplifiers/mixers/drum machines/synthesizers

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

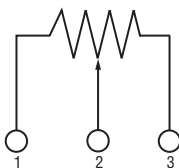


### Product Dimensions

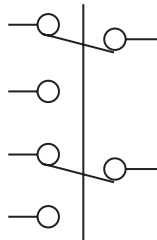
PDB183-S



### Circuit



### Switch



### Tapers

