

## 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.

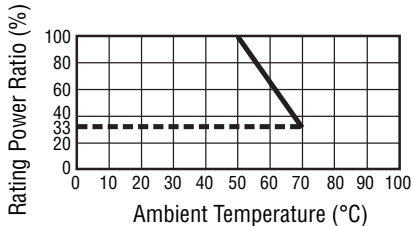
### Environmental Characteristics

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

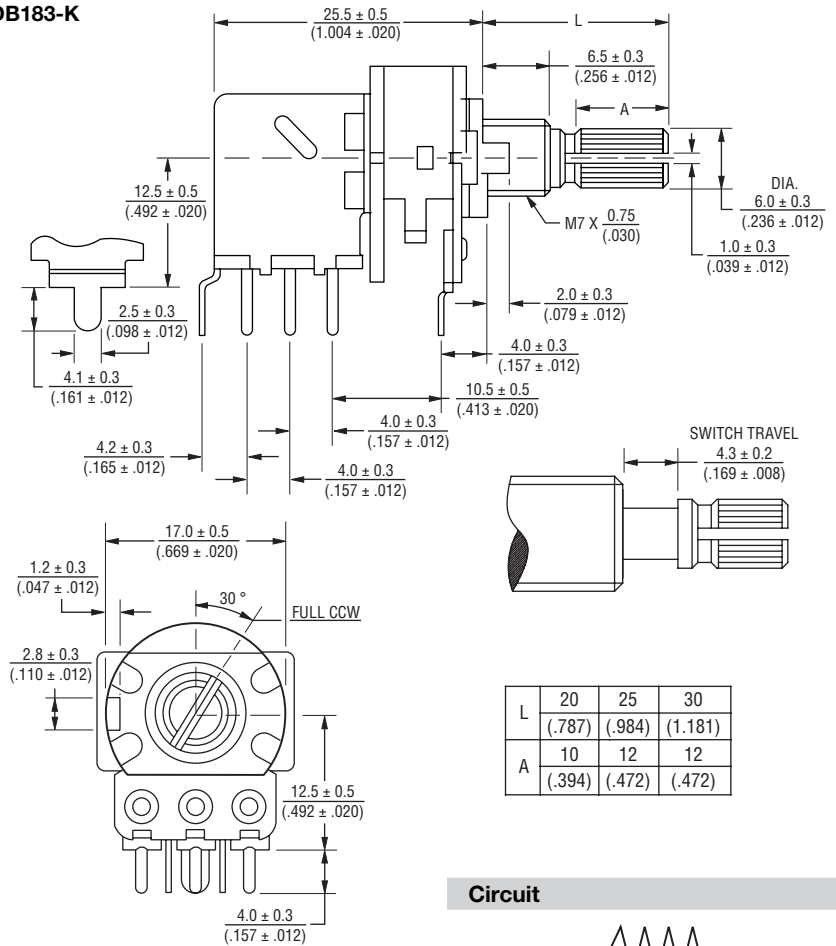


### Standard Resistance Table

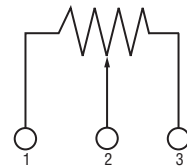
Resistance (Ohms)	Resistance Code
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
50,000	503
100,000	104
200,000	204
500,000	504
1,000,000	105

### Product Dimensions

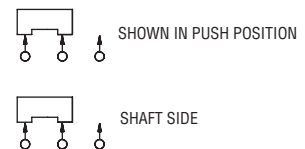
#### PDB183-K



### Circuit



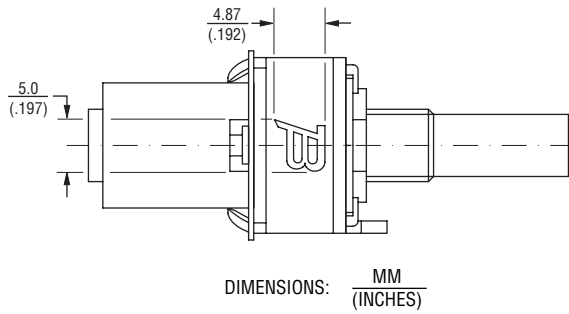
### Switch



\*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex..



## Typical Part Marking



## How To Order

	<b>PDB183 - K 4 25 K - 103 A1</b>
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	

REV. 06/11

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

For more information about this product, visit our website at: [www.potentiometers.com](http://www.potentiometers.com)