

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

Product Dimensions PDB183-K $\frac{25.5 \pm 0.5}{(1.004 \pm .020)}$ 6.5 ± 0.3 (.256 ± .012) А DIA 12.5 ± 0.5 6.0 ± 0.3 (.492 ± .020) 0.75 (.236 ± .012) M7 X (.030) 1.0 ± 0.3 (.039 ± .012) 2.0 ± 0.3 2.5 ± 0.3 (.079 ± .012) (.098 ± .012) $\frac{4.0 \pm 0.3}{(.157 \pm .012)}$ 4.1 ± 0.3 10.5 ± 0.5 (.161 ± .012) (.413 ± .020) 4.0 ± 0.3 SWITCH TRAVEL (.157 ± .012) 4.2 ± 0.3 4.3 ± 0.2 (.165 ± .012) 4.0 ± 0.3 (.169 ± .008) (.157 ± .012) 17.0 ± 0.5 (.669 ± .020) 1.2 ± 0.3 (.047 ± .012) 30 L FULL CCW 2.8 ± 0.3 (.110 ± .012) 20 25 30 L (.787) (.984) (1.181) 10 12 12 А (.394) (.472) (.472) 12.5 ± 0.5 (O)(O)(O) $(.492 \pm .020)$ Circuit $\frac{4.0 \pm 0.3}{(.157 \pm .012)}$ 4.0 ± 0.3 5.0 ± 0.3 (.157 ± .012) (.197 ± .012) 4.0 ± 0.3 10.5 ± 0.5 (.157 ± .012) (.413 ± 0.20) 4.2 ± 0.3 $(.165 \pm .012)$ \oplus \oplus \oplus \oplus Switch \oplus 3.5 ± 0.3 ⊕ -(.138 ± .012) SHOWN IN PUSH POSITION \oplus 1 0.7 ± 0.3 5.0 ± 0.3 (.028 ± .012) (.197 ± .012) DIA. 9 PLCS. $\frac{1.3 \pm 0.3}{(.051 \pm .012)}$ 5.0 ± 0.3 SHAFT SIDE (.197 ± .012) ł MM DIMENSIONS: (INCHES) *RoHS Directive 2015/863, Mar 31, 2015 and Annex.

Electrical Characteristics

Taper..... Linear, audio Standard Resistance Range1 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	
Audio	0.1 watt
Maximum Operating Vo	oltage
Linear	200 V
Audio	150 V
Sliding Noise	47 mV max.

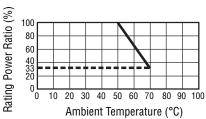
Mechanical Characteristics

Mechanical Angle	
Rotational Torque	30 to 100 g-cm
Stop Strength	5 kg-cm min.
Rotational Life	
Switch Life	15,000 cycles
Switch Type	DPDT
Switch Travel	$\dots 4.3 \pm 0.2 \text{ mm}$
	(.169 ± .008 in.)

Soldering Condition

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

WARNING **Cancer and Reproductive Harm** www.P65Warnings.ca.gov

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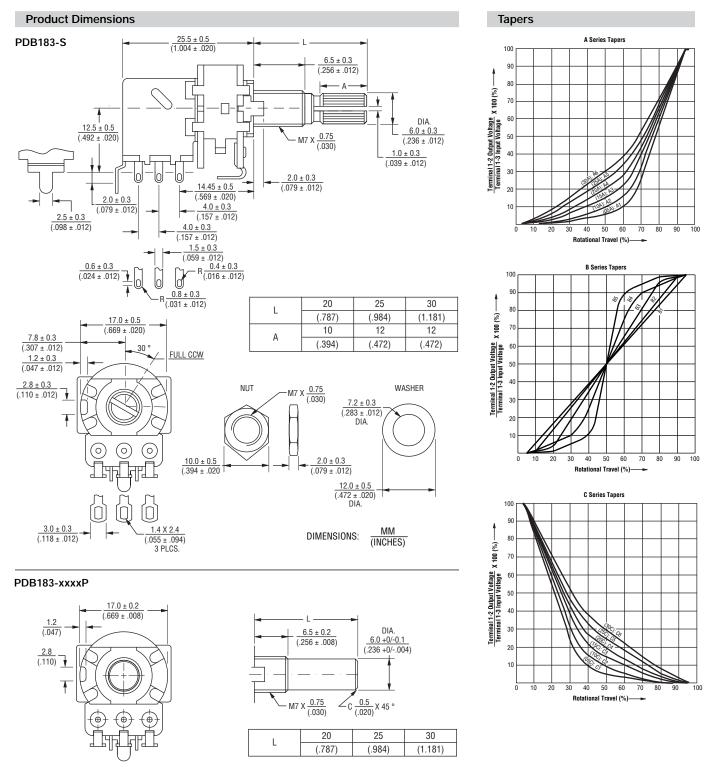
Applications

Electric guitars

Amplifiers/mixers/drum machines/synthesizers

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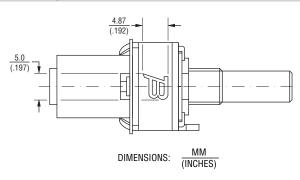


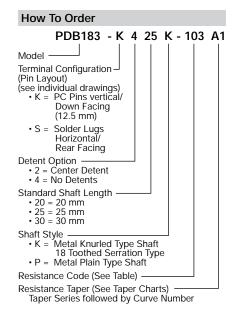
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PDB183 - 17 mm Rotary Potentiometer w/Push-Pull Switch **BOURNS**®

Typical Part Marking







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