

Features

- Single gang panel control
- RoHS compliant*
- Carbon element
- Center detent option
- Wide range of resistance tapers
- Insulated shaft styles
- Assortment of pin layouts

Applications

- Audio/TV sets
- Amplifiers/mixers/drum machines/ synthesizers
- PCs/monitors
- Appliances

PDB12 Series - 12 mm Rotary Potentiometer

Electrical Characteristics

Taper......Linear, audio
Standard Resistance Range
......1K ohms to 1M ohms
Standard Resistance Tolerance.....±20 %
Residual Resistance.......10 ohms max.

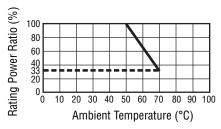
Environmental Characteristics

Power Rating

Mechanical Characteristics

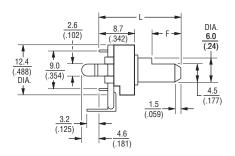
......300 °C max. within 3 seconds Hardware No hardware supplied

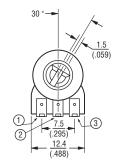
Derating Curve



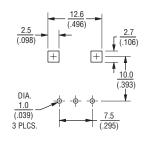
Product Dimensions

PDB12-H





RECOMMENDED PCB LAYOUT



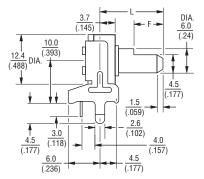
SHAFT SHOWN IN CCW POSITION

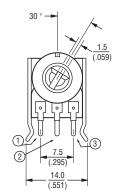
PDB12 Dimensions

L	<u>15</u>	<u>20</u>	25	30
	(.591)	(.787)	(.984)	(1.181)
F	<u>7</u> (.276)	<u>7</u> (.276)	<u>12</u> (.472)	<u>12</u> (.472)

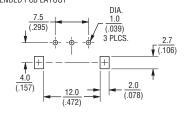
DIMENSIONS: $\frac{MM}{(INCHES)}$

PDB12-G

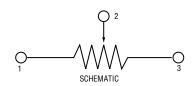




RECOMMENDED PCB LAYOUT



SHAFT SHOWN IN CCW POSITION





WARNING Cancer and Reproductive Harm

www.P65Warnings.ca.gov *RoHS Directive 2015/863, Mar 31, 2015 and Annex.

Specifications are subject to change without notice.

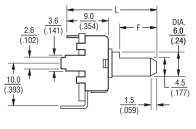
Users should verify actual device performance in their specific applications.

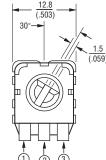
PDB12 Series - 12 mm Rotary Potentiometer

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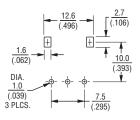
Product Dimensions

PDB12-M





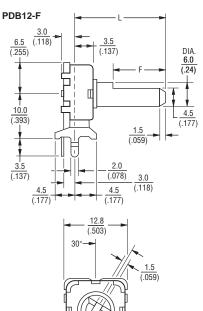
RECOMMENDED PCB LAYOUT

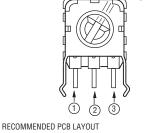


SHAFT SHOWN IN CCW POSITION

DIMENSIONS: $\frac{MM}{(INCHES)}$

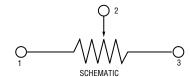
PDB12 Dimensions					
L	<u>15</u> (.591)	<u>20</u> (.787)	<u>25</u> (.984)	30 (1.181)	
F	7 (.276)	7 (.276)	<u>12</u> (.472)	<u>12</u> (.472)	





7.5 (.177) DIA. 1.0 (.039) 3 PLCS. (.118) + 1.6 (.062) (.062)

SHAFT SHOWN IN CCW POSITION



How To Order PDB12 - H 4 20 - 103 A F Model Terminal Config. (see individual drawings) H = PC pins, rear facing snap mount G = PC pins, vertical/ down facing/ snap mount M = PC pins, rear facing F = PC pins, vertical/ down facing/ snap mount Option • 2 = Center Detent • 4 = No Detent Standard Shaft Length • 15 = 15 mm • 20 = 20 mm • 25 = 25 mm • 30 = 30 mm Number of Gangs • 1 = Single Gang Resistance Code (See Table) Resistance Taper · A = Audio Taper

• B = Linear Taper

Shaft Style

• F = Flat Type Insulated Shaft

Other styles available.

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	

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