**Features**
- Plastic shaft
- Low profile
- Center detent
- Audio and linear tapers
- PC-pin layout for board mount
- RoHS compliant*

**Electrical Characteristics**
- Taper: Audio, Linear Standard Resistance
  - 5k ohms to 500k ohms
- Standard Resistance Tolerance: ±30 %
- Residual Resistance: 5 ohms max.
- Power Rating: 0.03 W
- Maximum Operating Voltage: 50 V AC
- Sliding Noise: 100 mV max.

**Environmental Characteristics**
- Operating Temperature Range: -10 °C to +60 °C
- Storage Temperature Range: -10 °C to +70 °C
- Soldering Condition:
  - Wave Soldering: 260 °C for 5 s
  - Manual Soldering: 350 °C for 3 s

**Mechanical Characteristics**
- Mechanical Angle: 200 ° ±10 ° max.
- Torque:
  - Starting and Running: 10 to 100 gf-cm
  - Detent: 10 to 100 gf-cm
  - Stop Strength: 1 kgf-cm min.
- Rotational Life: 10,000 cycles min.

**Product Dimensions**
- Circuit Single
  - Dimensions: MM (INCHES)
  - PCB Layout Single
  - PCB Layout Dual A & B Taper
  - PCB Layout Dual C Taper

**Additional Information**
Click these links for more information:

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*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. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.
PDB08 - 8 mm Micro Rotary Potentiometer

Shaft Dimensions

Pin Dimensions

Tapers

How To Order

PDB08 1 - P 1 0 - 103 B3

Model Series
Number of Units
1 = Single
2 = Dual
Orientation
P = PC-Pins Down Facing
Shaft Length
1 = 1 mm (2 mm pin length)
4 = 4.5 mm (3 mm pin length)
Center Detent
0 = No Detent
1 = Center Detent (single unit only)
Resistance Code (see Table)
Resistance Taper (see Taper charts)

Standard Resistance Table

<table>
<thead>
<tr>
<th>Resistance (Ohms)</th>
<th>Resistance Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>5,000</td>
<td>502</td>
</tr>
<tr>
<td>10,000</td>
<td>103</td>
</tr>
<tr>
<td>20,000</td>
<td>203</td>
</tr>
<tr>
<td>50,000</td>
<td>503</td>
</tr>
<tr>
<td>100,000</td>
<td>104</td>
</tr>
<tr>
<td>250,000</td>
<td>254</td>
</tr>
<tr>
<td>500,000</td>
<td>504</td>
</tr>
</tbody>
</table>

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