Features
- Carbon element
- Rotary switch option
- Wide assortment of resistance tapers
- RoHS compliant*

PDA17 Series - 17 mm Rotary Potentiometer

Electrical Characteristics
- Taper: Linear, audio
- Standard Resistance Range: 1 K ohms to 1 M ohms
- Standard Resistance Tolerance: ±20%
- Residual Resistance: 1 % max.
- Switch Rating: 1 A @ 12 VAC

Environmental Characteristics
- Operating Temperature: -10 °C to +50 °C
- Power Rating:
  - Linear: 0.1 watt
  - Audio: 0.05 watt
- Maximum Operating Voltage:
  - Linear: 200 V
  - Audio: 150 V
- Sliding Noise: 47 mV max.

Mechanical Characteristics
- Mechanical Angle: 260 ° ±10 °
- Rotational Torque: 50 to 350 g-cm
- Stop Strength: 3 kg-cm min.
- Rotational Life: 15,000 cycles
- Soldering Condition: 260 °C max. within 3 seconds
- Hardware: One flat washer and mounting nut supplied per potentiometer with bushing
- Switch Torque: 150 to 450 gf-cm
- Switch Action Angle: 60 ° max.
- Contact Arrangement: SPST

PDA17 Series Dimensions

**K-Shaft (Metal 18-tooth Split Knurled Shaft)**

<table>
<thead>
<tr>
<th>L</th>
<th>15 (0.591)</th>
<th>20 (0.787)</th>
<th>25 (0.984)</th>
<th>30 (1.181)</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>6 (0.236)</td>
<td>9 (0.354)</td>
<td>12 (0.472)</td>
<td>12 (0.472)</td>
</tr>
</tbody>
</table>

**F-Shaft (Metal Flatted Type)**

<table>
<thead>
<tr>
<th>L</th>
<th>15 (0.591)</th>
<th>20 (0.787)</th>
<th>25 (0.984)</th>
<th>30 (1.181)</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>7 (0.276)</td>
<td>12 (0.472)</td>
<td>12 (0.472)</td>
<td>12 (0.472)</td>
</tr>
</tbody>
</table>

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

- Audio/TV sets
- Car radio
- Portable electronics
- Appliances

PDA17 Series - 17 mm Rotary Potentiometer

Product Dimensions

<table>
<thead>
<tr>
<th>Dimensions:</th>
<th>MM (INCHES)</th>
</tr>
</thead>
</table>

SHAFT SHOWN IN CCW POSITION

RECOMMENDED PCB LAYOUT

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PDA17 Series - 17 mm Rotary Potentiometer

Product Dimensions

PDA17-PN25

- Dimensions: MM (INCHES)
- Model: PDA17-PN25
- Terminal Configuration: S = Solder Lugs, V = PC Pins horizontal, A = PC Pins vertical
- Switch Option: S = Rotary Switch, N = No Switch
- Standard Shaft Length: 15, 20, 25, 30 mm
- Resistance Code (See Table)
- Resistance Taper: A = Audio Taper, B = Linear Taper
- Shaft Style: K = Metal Knurled Shaft (18 Tooth Knurl), F = Metal Flatted Shaft

How To Order

- PDA17 - V N 20 - 102 A K

Standard Resistance Table

<table>
<thead>
<tr>
<th>Resistance (Ohms)</th>
<th>Resistance Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,000</td>
<td>102</td>
</tr>
<tr>
<td>2,000</td>
<td>202</td>
</tr>
<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>200,000</td>
<td>204</td>
</tr>
<tr>
<td>500,000</td>
<td>504</td>
</tr>
<tr>
<td>1,000,000</td>
<td>105</td>
</tr>
</tbody>
</table>

Derating Curve

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