**Features**

- Carbon element
- Assortment of resistance tapers
- 45 mm and 60 mm travel lengths
- Single and dual gang elements
- Long operational life
- Tracking error within ±2 dB
- Various lever styles

**PTE Series Low Profile Slide Potentiometer**

### Electrical Characteristics

**Standard Resistance Range**

1 kΩ to 1 megohm

**Standard Resistance Tolerance**

±20 %

**End Resistance**

2 ohms max.

**Insulation Resistance @ 100 VDC**

100 megohms min.

**Dielectric Withstanding Voltage**

250 VAC

**Tracking Error**

±2 dB

**Standard Taper**

Linear, Audio

**Power Rating**

- Linear: 0.2 watt
- Audio: 0.1 watt

**Slider Noise**

100 mV max.

### Environmental Characteristics

**Operational Life**

100,000 cycles

**TR Shift**

±15 %

**Operating Temperature Range**

-10 °C to +55 °C

**Resistance to Solder Heat**

±5 %

### Mechanical Characteristics

**Mechanical Angle**

300 ° ±5 °

**Mechanical Travel**

Length ±0.5 mm

**Operating Force**

50 gf

**Stop Strength**

5 kgf min.

**Shaft Axial Force**

5 kgf min.

**Shaft Wobble**

2(2 x L/25) mm p-p max.

**Soldering Condition**

- Manual: 300 °C ±5 °C for 3 sec.
- Wave: 260 °C ±5 °C for 5 sec.
- Wash: Not recommended

### 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>


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36 State Route 10, STE 6 • East Hanover, NJ 07936-0436
973-887-2550 • Toll Free 1-800-631-8083 • Fax 973-887-1940
http://www.potentiometers.com

Applications
- Mixing consoles
- Drum machines
- Keyboards and synthesizers
- Equalizers

PTE Series Low Profile Slide Potentiometer

Product Dimensions

60 mm Length of Travel
Lever End Style “A”

<table>
<thead>
<tr>
<th>Dimensions: MM</th>
<th>(INCHES)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lever Length</td>
<td>15.0 (.591)</td>
</tr>
<tr>
<td></td>
<td>20.0 (.787)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Terminal 1</th>
<th>Output Voltage across Terminals 1-2 (V)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Terminal 2</td>
</tr>
</tbody>
</table>

A Series Tapers

B Series Tapers

C Series Tapers

Applications
- Mixing consoles
- Drum machines
- Keyboards and synthesizers
- Equalizers
PTE Series Low Profile Slide Potentiometer

Additional Lever End Styles

Lever End Style “C”

Lever End Style “D”

Lever End Style “E”

How To Order

PTE 45 - 15 2 A - 103 B2

Model Number
Designator
PTE = Low Profile Slide Potentiometer

Length of Travel
45 = 45 mm
60 = 60 mm

Lever Length
12 = 12 mm (Available with Lever End Style C)
13 = 12.8 mm (Available with Lever End Style D)
15 = 15 mm (Available with Lever End Styles A,B,E)
20 = 20 mm (Available with Lever End Styles A,B,D,E)

No. of Gangs
1 = Single Gang
2 = Dual Gang

Metal Lever End Style
(Remote to Drawings)
• A • D
• B • E
• C

Resistance Code
(See Standard Resistance Table)

Resistance Taper (See Taper Charts)
Taper Series followed by Curve Number

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