Features
- Carbon element
- Insulated shaft
- Snap-in clip
- Center detent
- Center tap option
- Assorted pin layouts
- Dual gang option
- Various taper options

PTV/PTT Series - 12 mm Potentiometer

**Electrical Characteristics**
Taper.......................... Linear, audio
Standard Resistance Range
........................................... 1 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............................ 0.05 Watt
Maximum Operating Voltage
........................................... 50 V AC, 20 V DC
Sliding Noise ...................... 100 mV max.

**Mechanical Characteristics**
Mechanical Angle ...............300 ° ±5 °
Rotational Torque ............. 20 to 200 g-cm
Detent Torque ............... 30 to 300 g-cm
Stop Strength
no bushing .................... 3 kg-cm min.
with bushing ................. 3 kg-cm min.
Rotational Life .............. 15,000 cycles
Soldering Condition
.............................. 300 °C max. within 3 seconds
Hardware ..................
mounting nut supplied per
potentiometer with bushing

**Dimensions Without Bushing**

<table>
<thead>
<tr>
<th>Model</th>
<th>L (mm)</th>
<th>F (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTV111-2</td>
<td>8.1 (318)</td>
<td>0.5 (019)</td>
</tr>
<tr>
<td>PTV111-4</td>
<td>8.5 (334)</td>
<td>0.5 (019)</td>
</tr>
</tbody>
</table>

**Dimensions With bushing**

<table>
<thead>
<tr>
<th>Model</th>
<th>L (mm)</th>
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WARNING
Cancer and Reproductive Harm
www.P65Warnings.ca.gov
Applications

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

PTV/PTT Series - 12 mm Potentiometer

Product Dimensions

PTV111-1

Dimensions With Bushing

<table>
<thead>
<tr>
<th></th>
<th>L</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.5</td>
<td>7</td>
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<tr>
<td>15</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>17.5</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

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PTV/PTT Series - 12 mm Potentiometer

**Product Dimensions**

PTV112-2 DUAL GANG

---

PTV112-4 DUAL GANG

---

**Dimensions Without Bushing**

<table>
<thead>
<tr>
<th></th>
<th>L (mm)</th>
<th>F (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>15.0</td>
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<tr>
<td>2</td>
<td>20.0</td>
<td>7.0</td>
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<tr>
<td>3</td>
<td>22.5</td>
<td>7.0</td>
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<tr>
<td>4</td>
<td>25.0</td>
<td>12.0</td>
</tr>
<tr>
<td>5</td>
<td>27.5</td>
<td>12.0</td>
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</tbody>
</table>

DIMENSIONS: **MM**

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PTV/PTT Series - 12 mm Potentiometer

Product Dimensions

PTV112-1 DUAL GANG

![Diagram of PTV112-1 DUAL GANG]

PTV112-3 DUAL GANG

![Diagram of PTV112-3 DUAL GANG]

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How To Order

PTV111  -  2  4  20  A - A1 104

Model
(See Diagrams)
• PTV111 Standard
• PTV111 With Tap
• PTV112 Dual Gang

Pin Style
PC Pins vertical/
Down Facing:
• 1 = With Bushing
• 2 = No Bushing
PC Pins horizontal/
Rear Facing:
• 3 = With Bushing
• 4 = No Bushing

Center Detent Option
• 4 = No Detent
• 2 = Center Detent

Standard Shaft Length
• 12 = 12.5 mm*
• 15 = 15 mm
• 17 = 17.5 mm*
• 20 = 20 mm
• 22 = 22.5 mm**
• 25 = 25 mm**
• 27 = 27.5 mm**

 Shaft Styles
• A = Flat Type Insulated Shaft

Resistance Taper (See Taper Chart)
Taper Series followed by Curve Number
Resistance Code (See Table)

Other styles available.

* Available with Pin Styles 1 & 3 only.
**Available with Pin Styles 2 & 4 only.

Standard Resistance Table

<table>
<thead>
<tr>
<th>Value 1 (Ohms)</th>
<th>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>
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<td>10,000</td>
<td>103</td>
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<td>204</td>
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<tr>
<td>500,000</td>
<td>504</td>
</tr>
<tr>
<td>1,000,000</td>
<td>105</td>
</tr>
</tbody>
</table>

Derating Curve

Rating Power Ratio (%)

Ambient Temperature (°C)

100
80
60
40
20
0
0 10 20 30 40 50 60 70 80 90 100

Tapers

A Series Tapers

B Series Tapers

C Series Tapers

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