Features

- Carbon element
- Insulated shaft
- Snap-in clip
- Center detent option
- Assorted pin layouts
- RoHS compliant*

This series is obsolete and not recommended for new designs. Model PTV111 is an alternative option with a smaller size and footprint.

PTV142B - 14 mm Dual Potentiometer

Electrical Characteristics

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

Environmental Characteristics

Operating Temp ............ -10 °C to +50 °C
Power Rating ............ 0.05 watt
Maximum Operating Voltage .... 50 V AC
Sliding Noise ............ 100 mV maximum

Mechanical Characteristics

Mechanical Angle .......... 300 ° ±5 °
Rotational Torque .......... 20 to 200 g-cm
Detent Torque ............ 30 to 300 g-cm
Stop Strength ............. 5 kg-cm min.
Rotational Life ............ 15,000 cycles
Soldering Condition
.................. 300 °C max. within 3 seconds
Hardware ............ One flat washer and mounting nut supplied per potentiometer with bushing

How To Order

PTV142B  2  0 E 1 20 A  A 203

Model
Pin Style
- 2 = PC Pins vert./ Down Facing
- 4 = PC Pins horz./ Rear Facing
Center Detent Option
- 0 = No Detent
- 2 = Center Detent
Electrical Diagram
(See Diagram)
- E = for Tone application
- V = for Volume application
Bushing Option
- 0 = No Bushing
- 1 = With Bushing (M9x0.75)x5 mm
Standard Shaft Length
- 15 = 15 mm
- 20 = 20 mm
- 25 = 25 mm
Shaft Styles
- A = Flat Type Insulated Shaft
Resistance Taper
- A = Audio Taper (5K to 1M available)
- B = Linear Taper (1K to 1M available)
Resistance Code (See Table)
Other styles available.

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

Dimensions Without Bushing

<table>
<thead>
<tr>
<th></th>
<th>15</th>
<th>20</th>
<th>25</th>
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<tbody>
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</tr>
<tr>
<td>F</td>
<td>4.5</td>
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</table>

Applications

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

PTV142B - 14 mm Dual Potentiometer

Dimensions:

PTV142B-2 With Bushing

PTV142B-4 With Bushing

Electrical Diagrams

E FOR TONE APPLICATION

Y FOR VOLUME APPLICATION

Standard Resistance Table

<table>
<thead>
<tr>
<th>Resistance Code</th>
<th>Resistance (Ohms)</th>
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<tr>
<td>105</td>
<td>1,000,000</td>
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</tbody>
</table>

Derating Curve

Specifications are subject to change without notice.
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
Users should verify actual device performance in their specific applications.