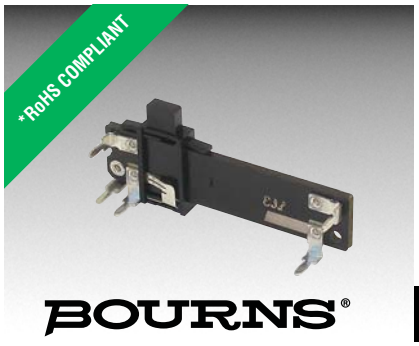


BOURNS®

Features

- Carbon element
- 10-30 mm travel
- Center detent option
- Single or dual gang
- RoHS compliant*

Applications

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

PDV Series - Open Frame Slide Potentiometer

Electrical Characteristics

Taper ..... Linear, audio
Standard Resistance Range
..... 1 K ohms to 1 M ohms
Standard Resistance Tolerance ..... ±20 %
Residual Resistance
..... 100 ohms or ±5 % max.

Environmental Characteristics

Operating Temperature ... -10 °C to +50 °C
Power Rating
Linear ..... 0.1 watt
Audio ..... 0.05 watt
Maximum Operating Voltage - Linear
10 mm Travel ..... 100 VAC
15 mm Travel ..... 100 VAC
20 mm Travel ..... 200 VAC
30 mm Travel ..... 200 VAC
Maximum Operating Voltage - Audio
10 mm Travel ..... 50 VAC
15 mm Travel ..... 50 VAC
20 mm Travel ..... 150 VAC
30 mm Travel ..... 150 VAC
Sliding Noise ..... 47 mV max.

Mechanical Characteristics

Operating Force ..... 20 to 300 g-cm
Detent Torque ..... 50 to 400 g-cm
Lever Stop Strength ..... 3 kg-cm min.
Sliding Life ..... 10,000 cycles
Std. Stroke Length ..... 10, 15, 20, 30 mm
Soldering Condition
Wave ..... 260 °C for 3 sec. max.
Manual ..... Not recommended

How To Order

PDV 10 - 2 1 P - 102 A

Model
Length of Travel
- 10 = 10 mm
- 15 = 15 mm
- 20 = 20 mm
- 30 = 30 mm

Detent Option
- 2 = No Detent
- 3 = Center Detent

Number of Gangs
- 1 = Single Gang
- 2 = Dual Gang

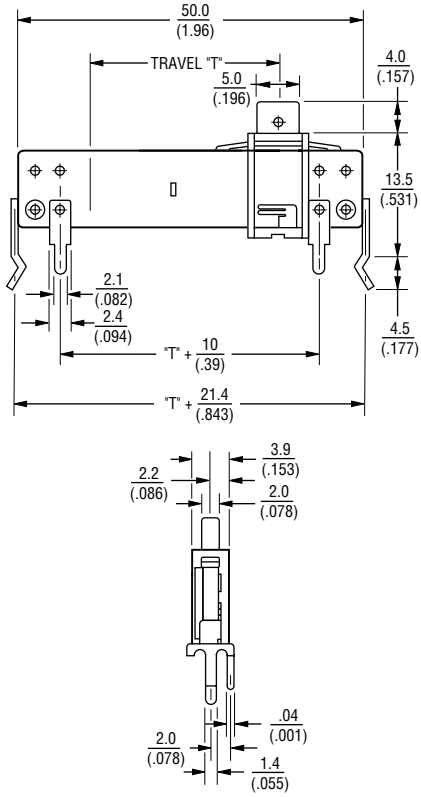
Mounting Type
(refer to drawings)
- A = Vertical Pins
- D = Vertical Pins
- P = Vertical Pins
- H = Horizontal Pins
- M = Horizontal Pins
- B = Horizontal Pins

Resistance Code (See Table)
Resistance Taper
- A = Audio Taper
- B = Linear Taper

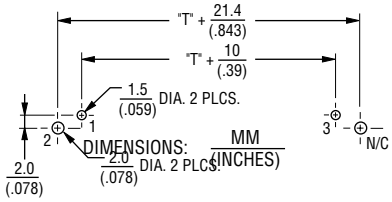
Other styles available.

Product Dimensions

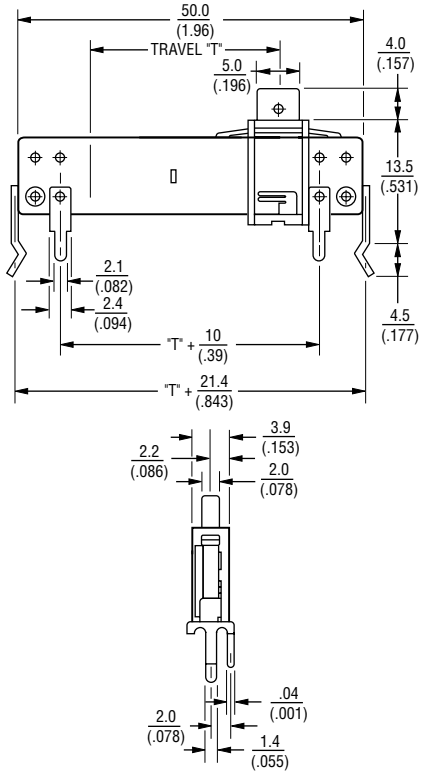
PDVxx-x1D



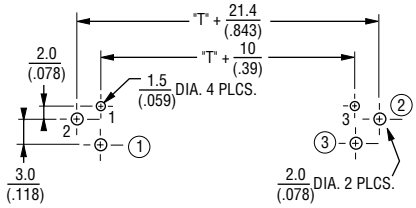
RECOMMENDED PCB LAYOUT



PDVxx-x2D



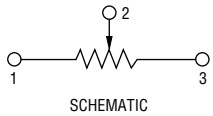
RECOMMENDED PCB LAYOUT



Standard Resistance Table

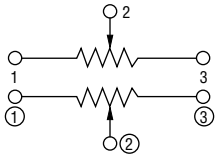
Resistance (Ohms)	Resistance Code
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
50,000	503
100,000	104
200,000	204
500,000	504
1,000,000	105

SINGLE GANG



SCHEMATIC

DUAL GANG



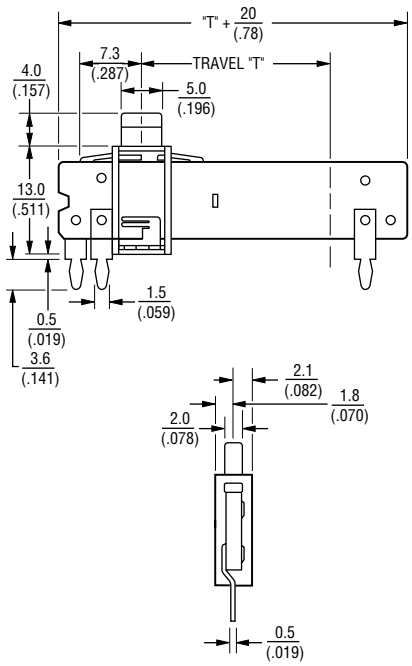
SCHEMATIC

*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex

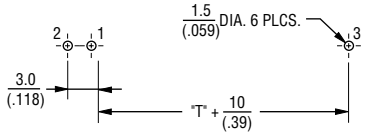
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.

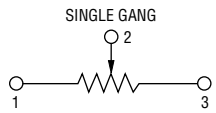
Product Dimensions

PDVxx-x1P

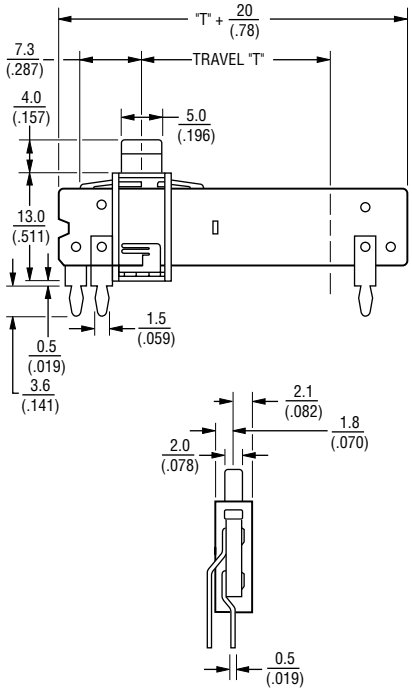


RECOMMENDED PCB LAYOUT

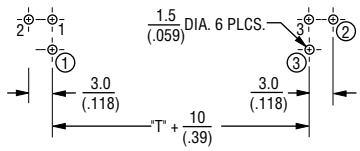


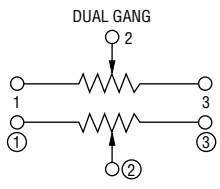


PDVxx-x2P

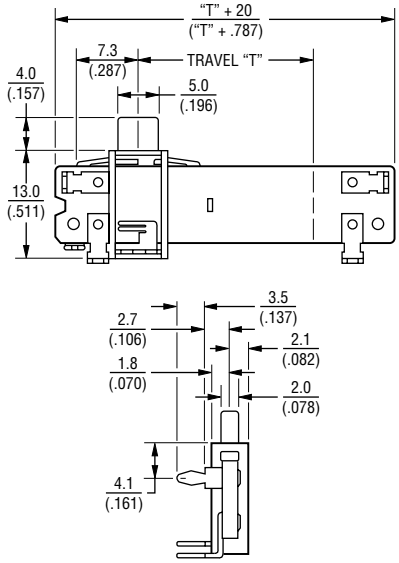


RECOMMENDED PCB LAYOUT

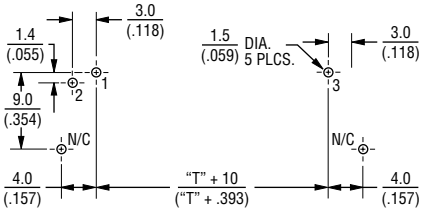


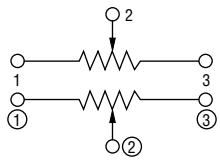


PDVxx-x1H

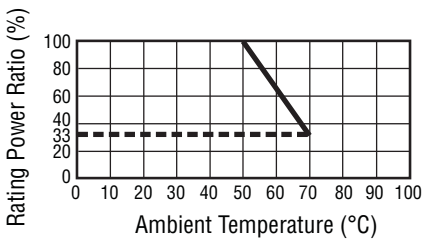


RECOMMENDED PCB LAYOUT





Derating Curve

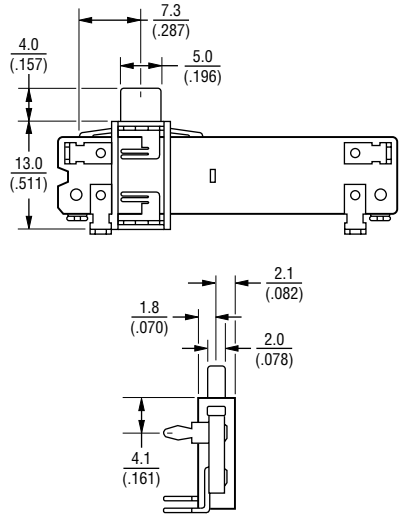


DIMENSIONS: MM / (INCHES)

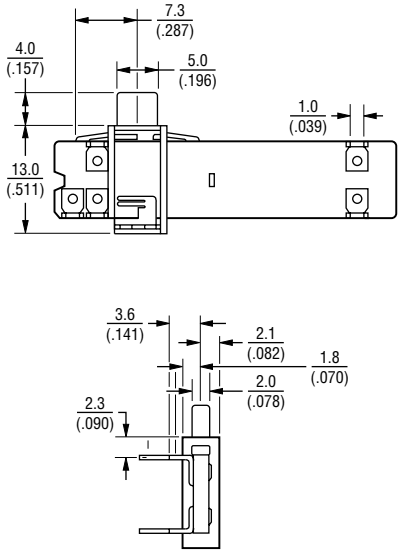
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.

Product Dimensions

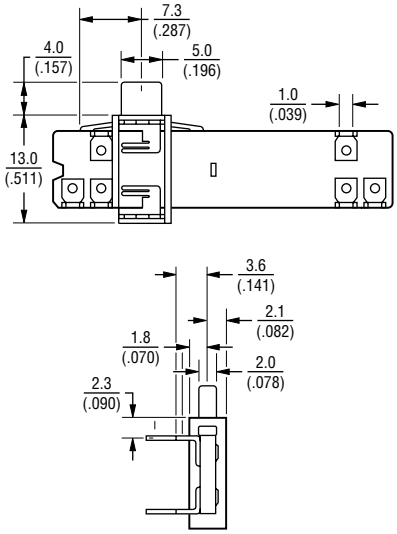
PDVxx-x2H



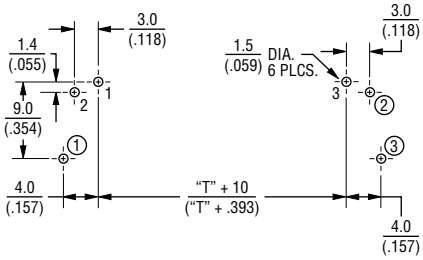
PDVxx-x1M



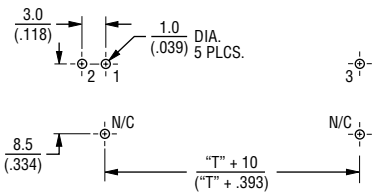
PDVxx-x2M



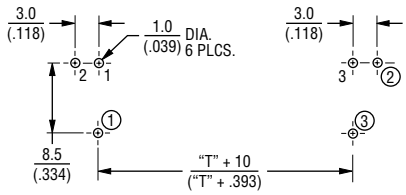
RECOMMENDED PCB LAYOUT



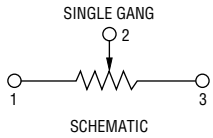
RECOMMENDED PCB LAYOUT

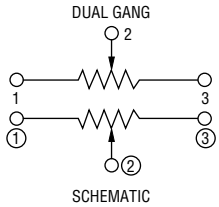


RECOMMENDED PCB LAYOUT



DIMENSIONS: MM / (INCHES)

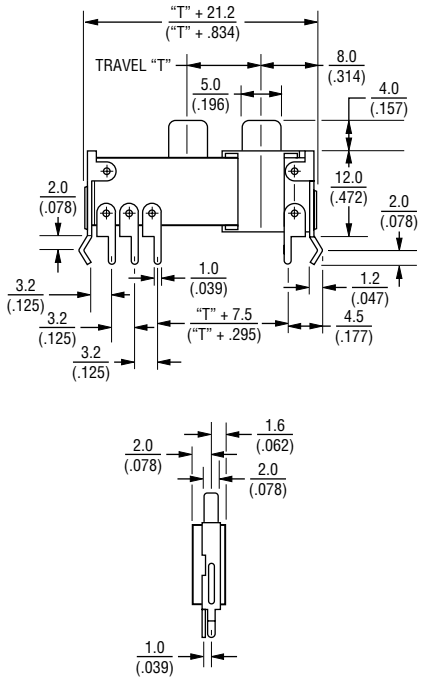




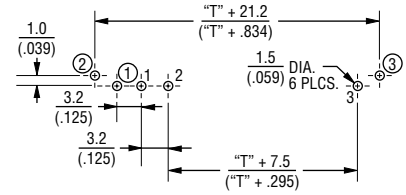
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.

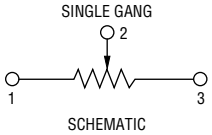
Product Dimensions

PDVxx-x2A

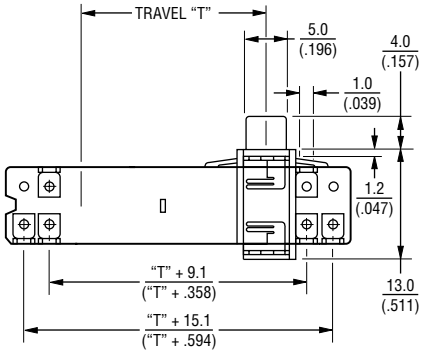


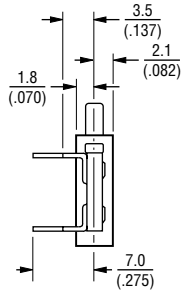
RECOMMENDED PCB LAYOUT



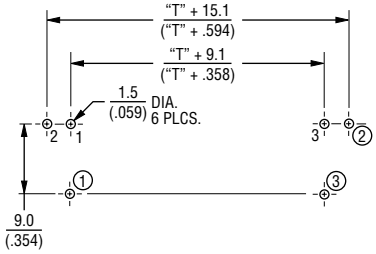


PDVxx-x2B



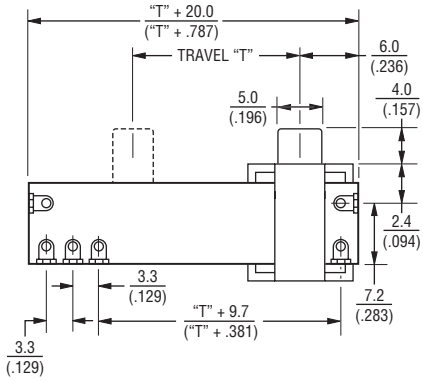


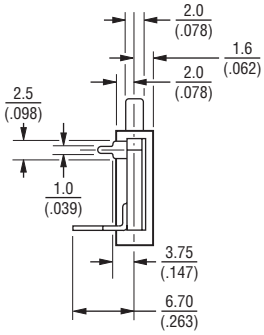
RECOMMENDED PCB LAYOUT



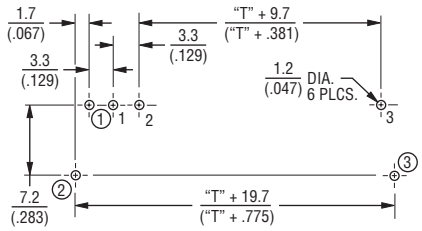
DIMENSIONS: MM / (INCHES)

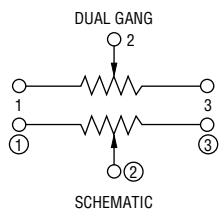
PDVxx-x2C





RECOMMENDED PCB LAYOUT





REV. 09/10

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