

Features

- Carbon element
- Insulated shaft
- Wide variety of mounting styles
- Center detent option
- RoHS compliant*



PTV09 Series - 9 mm Potentiometer

Electrical Characteristics

Environmental Characteristics

Mechanical Characteristics

How To Order

PTV09A - 2 0 20 F - B 203

Model Terminal Configuration (Pin Layout) 1 = Horizontal/Rear Mount w/Sleeve Bushina 2 = Vertical/Side Mount, Bushingless, 10 mm Height 3 = Vertical/Side Mount, Bushingless, 6.5 mm Height 4 = Horizontal/Rear Mount, Bushingless 5 = Horizontal/Rear Mount w/Plastic Plain Bushing 6 = Horizontal/Rear Mount w/Metal Threaded Bushing 7 = Vertical/Side Mount w/Sleeve Bushing, 6.5 mm Height 8 = Vertical/Side Mount w/Sleeve Bushing, 10 mm height

Option 0 = No Detent 2 = Center

Standard Shaft Length

15 = 15 mm** 25 = 25 mm
20 = 20 mm 30 = 30 mm

Shaft Style

F = Flat Type Insulated Shaft

S = Insulated Knurled (18 Teeth) U = Insulated Knurled (40 Teeth)

Resistance Taper ———

Taper Series followed by Curve Number

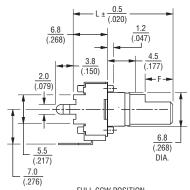
Resistance Code (See Table)

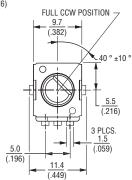
Other styles available.

** Bushingless version only.

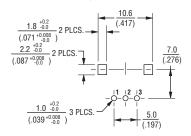
Product Dimensions

PTV09A-1 (Horizontal/Rear Mount w/Sleeve Bushing)



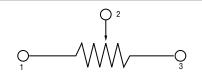


RECOMMENDED PCB LAYOUT (HORIZONTAL/REAR MOUNT)

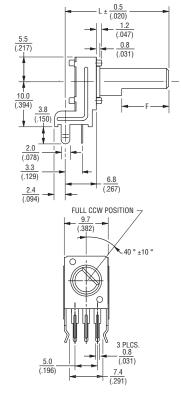


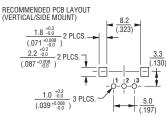
DIMENSIONS: $\frac{MM}{(INCHES)}$

Schematic



PTV09A-2 (Vertical/Side Mount, Bushingless, 10 mm Height)





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

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. 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.

Applications

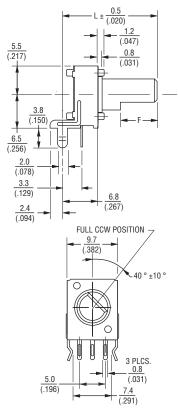
- Commercial communications equipment
- Portable electronics
- Amplifiers/mixers/drum machines/synthesizers
- Consumer goods
- Commercial appliances

PTV09 Series - 9 mm Potentiometer

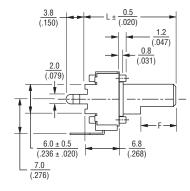
BOURNS

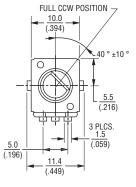
Product Dimensions (Continued)

PTV09A-3 (Vertical/Side Mount, Bushingless, 6.5 mm Height)



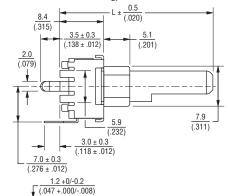
PTV09A-4 (Horizontal/Rear Mount, Bushingless)

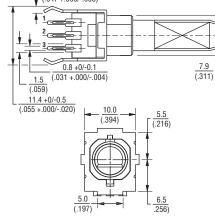




DIMENSIONS: $\frac{MM}{(INCHES)}$

PTV09A-5 (Horizontal/Rear Mount w/Plastic Plain Bushing)

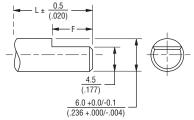




SHAFT SHOWN IN CENTER POSITION

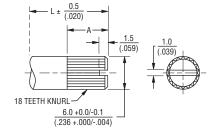
Shaft Styles





L	15	<u>20</u>	25	30
	(.591)	(.787)	(.984)	(1.181)
F	<u>6</u> (.236)	7 (.275)	12 (.472)	12 (.472)

S-Type



L	<u>15</u> (.591)	<u>20</u> (.787)	25 (.984)	30 (1.181)
Α	7 (.275)	7 (.275)	7 (.275)	7 (.275)

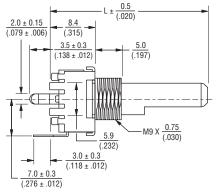
L	<u>15</u>	<u>20</u>	25	30
	(.591)	(.787)	(.984)	(1.181)
А	<u>6</u> (.236)	7 (.275)	7 (.275)	7 (.275)

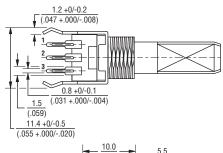
Users should verify actual device performance in their specific applications.

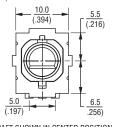
PTV09 Series - 9 mm Potentiometer

Product Dimensions (Continued)

PTV09A-6 (Horizontal/Rear Mount w/Metal Threaded Bushing)

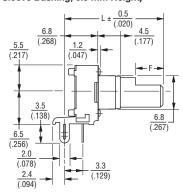


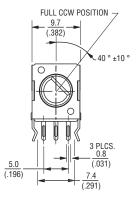




SHAFT SHOWN IN CENTER POSITION

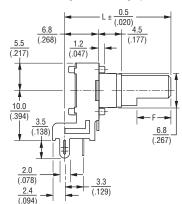
PTV09A-7 (Vertical/Side Mount w/Sleeve Bushing, 6.5 mm Height)

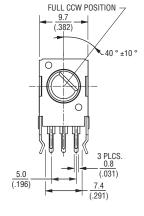




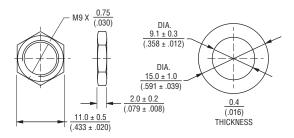
MM DIMENSIONS: (INCHES)

PTV09A-8 (Vertical/Side Mount w/Sleeve Bushing, 10 mm Height)





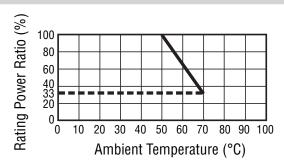
Mounting Hardware



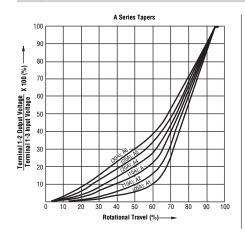
PTV09 Series - 9 mm Potentiometer

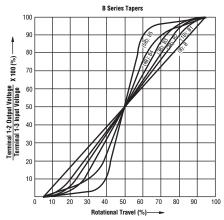
BOURNS

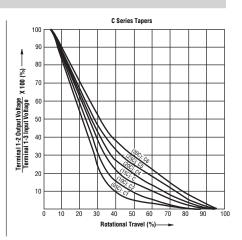
Derating Curve



Tapers







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