

# **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 Bushing

- 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
- 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

Shaft Style

- F = Flat Type Insulated Shaft
- S = Insulated Knurled (18 Teeth)

U = Insulated Knurled (40 Teeth) Resistance Taper —

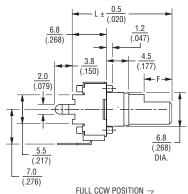
Taper Series followed by Curve Number
Resistance Code (See Table)

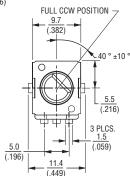
Other styles available.

\*\* Bushingless version only.

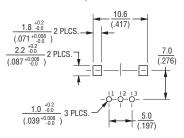
# **Product Dimensions**

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



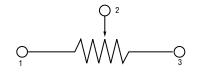


# RECOMMENDED PCB LAYOUT (HORIZONTAL/REAR MOUNT)



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

## Schematic

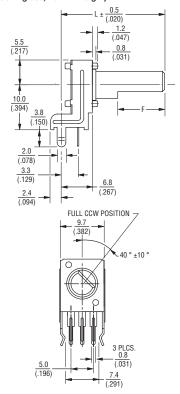


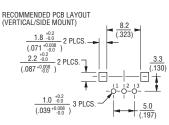


WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov

\*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

#### 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

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# **Applications**

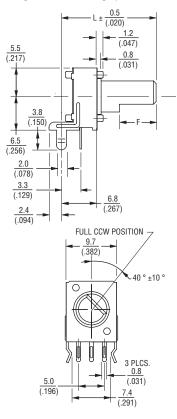
- Commercial communications equipment
- Portable electronics
- Amplifiers/mixers/drum machines/synthesizers
- Consumer goods
- Commercial appliances

# PTV09 Series - 9 mm Potentiometer

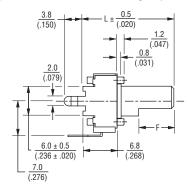
# **BOURNS**®

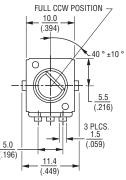
# **Product Dimensions (Continued)**

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



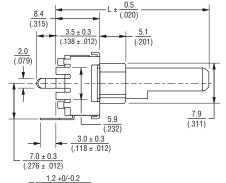
## PTV09A-4 (Horizontal/Rear Mount, Bushingless)

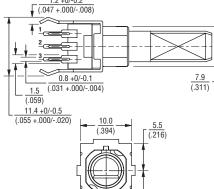




MM **DIMENSIONS:** (INCHES)

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

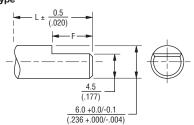




SHAFT SHOWN IN CENTER POSITION

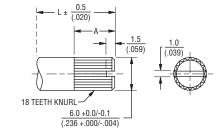
# **Shaft Styles**



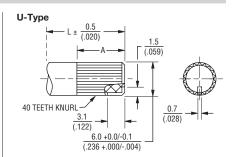


L	15	20	25	30
	(.591)	(.787)	(.984)	(1.181)
F	<u>6</u> (.236)	7 (.275)	<u>12</u> (.472)	<u>12</u> (.472)

## S-Type



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



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

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

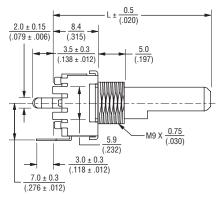
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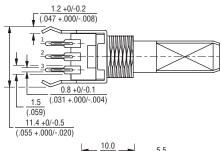
# PTV09 Series - 9 mm Potentiometer

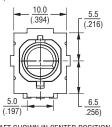
# **BOURNS**®

# **Product Dimensions (Continued)**

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

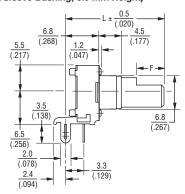


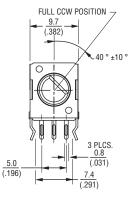




SHAFT SHOWN IN CENTER POSITION

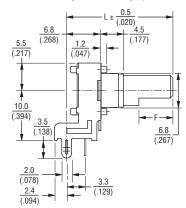
## PTV09A-7 (Vertical/Side Mount w/Sleeve Bushing, 6.5 mm Height)

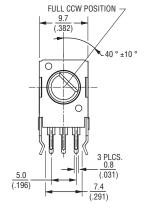




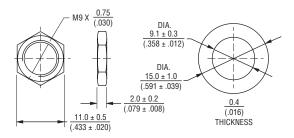
MM DIMENSIONS: (INCHES)

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



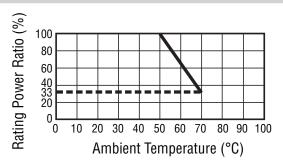


# **Mounting Hardware**

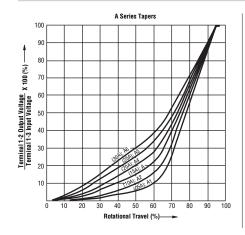


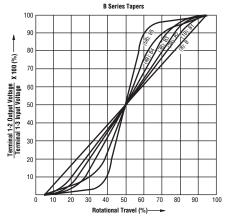
# PTV09 Series - 9 mm Potentiometer

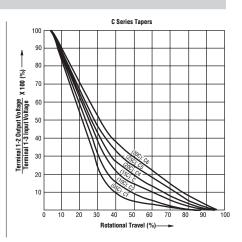
# **Derating Curve**



# **Tapers**







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