

Features

PTV09A-1

- Carbon element
- Insulated shaft
- Wide variety of mounting styles

Product Dimensions

 Center detent option RoHS compliant*



PTV09 Series - 9 mm 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 Temperature....-10 °C to +50 °C Power Rating

(Linear and Audio).....0.05 watt Maximum Operating Voltage

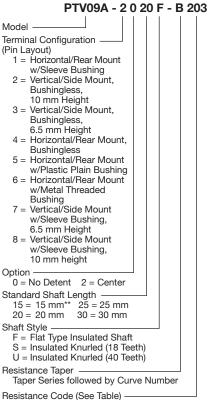
(Linear and Audio)...... 20 VDC, 50 VAC Sliding Noise 100 mV max.

Mechanical Characteristics

Rotational Torque 10 to 100 g-cm Stop Strength 2 kg-cm min. Rotational Life 10,000 cycles Soldering Condition

Hardware One flat washer and one hex nut supplied with bushing version

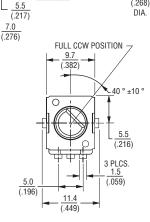
How To Order



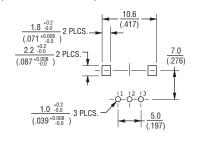
Other styles available.

Bushingless version only.

(Horizontal/Rear Mount w/Sleeve Bushing) 0.5 L± (.020) (.047)(.268)4.5 3.8 (.177) (.150) 2.0 (.079) ŧ 6.8 (.268)

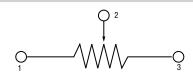


RECOMMENDED PCB LAYOUT (HORIZONTAL/REAR MOUNT)



MM DIMENSIONS: (INCHES)

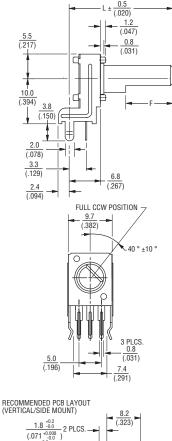




WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov

*Rotis Directive 2015/062 Mar 21 2015 and Appav Downloaded From Oneyac.com

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



 $(.071^{+0.008}_{-0.0})$ $2.2^{+0.2}_{-0.0}$ 2 2 PLCS +0.008 (.087 1.0 +0.2 3 PLCS (.039 +0.008

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	

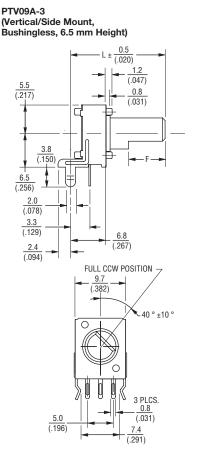
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Applications

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

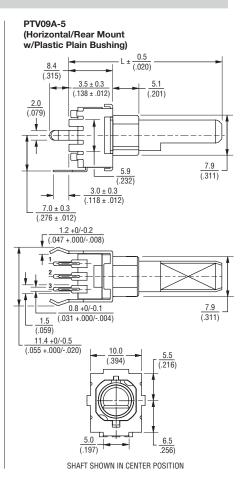
PTV09 Series - 9 mm Potentiometer

Product Dimensions (Continued)

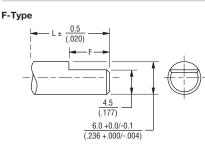


PTV09A-4 (Horizontal/Rear Mount, Bushingless) 3.8 (.150) 0.5 1.2 (.047) 0.8 (.031) <u>2.0</u> (.079) t 6.0 ± 0.5 6.8 (.236 ± .020) (.268) 7.0 FULL CCW POSITION 10.0 (.394)40°±10° \cap <u>5.5</u> (.216) 3 PLCS 1.5 (.059) 5.0 (.196) 11.4 (.449)MM DIMENSIONS: (INCHES)

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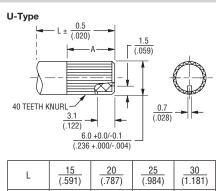


Shaft Styles



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

S-Type $L \pm \frac{0.5}{(.020)}$ 1.5 1.0 (.059) (.039) 18 TEETH KNURL 6.0 +0.0/-0.1 (.236 +.000/-.004) <u>15</u> (.591) <u>20</u> (.787) <u>25</u> (.984) 30 L $(\overline{1.181})$ $\frac{7}{(.275)}$ <u>7</u> (.275) <u>7</u> (.275) А (.275)



$\frac{6}{(.236)}$ А (.275) (.275) (.275)

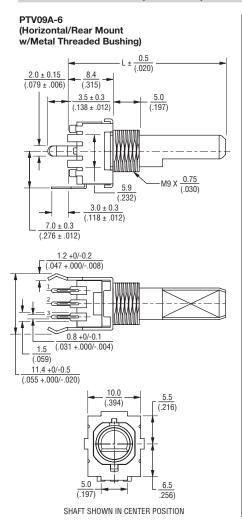
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PTV09A-7

(Vertical/Side Mount

Product Dimensions (Continued)



w/Sleeve Bushing, 6.5 mm Height) 0.5 (.020) 6.8 4.5 (.268) (.177) $\frac{1.2}{(.047)}$ 5.5 (.217) ď 3.5 (.138) 6.8 (.267) 6.5 (.256) 2.0 (.078) 3.3 2.4 (.129) (.094) FULL CCW POSITION -9.7 (.382) 40°±10° \cap 3 PLCS. 0.8 (.031)

5.0

(.196)

DIMENSIONS:

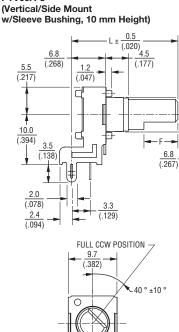
7.4 (.291)

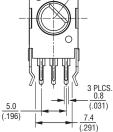
MM

(INCHES)

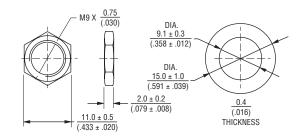
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PTV09A-8





Mounting Hardware

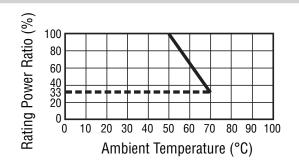


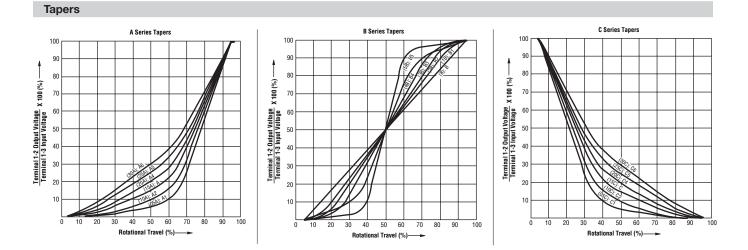
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Derating Curve





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