

Features

- Carbon element
- Metal housing
- 15-60 mm travel
- Single and dual gang
- Center detent option
- RoHS compliant*



PTA Series - Low Profile Slide Potentiometer

Electrical Characteristics

Taper.....Linear, audio Standard Resistance Range1 K ohms to 1 M ohms Standard Resistance Tolerance.....±20 % Residual Resistance

.....500 ohms or 1 % max. Insulation Resistance

...... Min. 100 megohms at 250 V DC

Environmental Characteristics

Operating Temperature

.....-10 °C to +50 °C

Power Rating, Linear 0.05 W (0.025 W Dual Gang) 15 mm

	0.03 W (0.023 W Duai Ge	
20 mm	0.1 W (0.05	W
30 mm	0.2 W (0.1	W
45 mm	0.25 W (0.125	W
60 mm	0.25 W (0.125	W

Power Rating, Audio

	W (0.015 W Dual Gang)
20 mm	0.05 W (0.025 W)
30 mm	0.1 W (0.05 W)
	0.125 W (0.06 W)
	0.125 W (0.06 W)

Maximum Operating Voltage, Linear

15 11111	100 V DC
20-60 mm	200 V DC
Maximum Operating Vo	Itage, Audio
15 mm	50 V DC

20-60 mm 150 V DC Withstand Voltage, Audio

...... 1 Min. at 300 V AC Sliding Noise 100 mV maximum Tracking Error.....3 dB at -40 to 0 dB

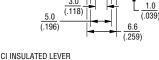
Mechanical Characteristics

Operating Force30 to 250 gf Stop Strength 5 kgf min. Sliding Life......15,000 cycles Soldering Condition

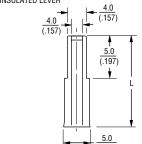
..350 °C max. within 3 ± 0.5 seconds Travel 15, 20, 30, 45, 60 mm

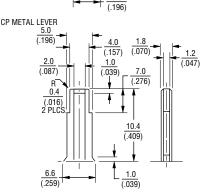
Lever Style & Product Dimensions

DP METAL LEVER (.039)



3.0





Dimension				
L	Н			
15	10			
(.591)	(.394)			
10	<u>7</u>			
(.394)	(.276)			

DIMENSIONS:

Additional Information

Click these links for more information:





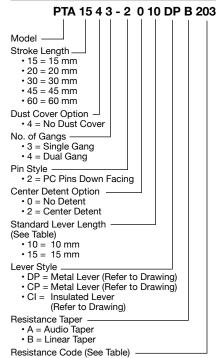






INVENTORY SAMPLES

How To Order



Other styles available.



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

*RoHS Directive 2015/863, Mar 31, 2015 and Annex. Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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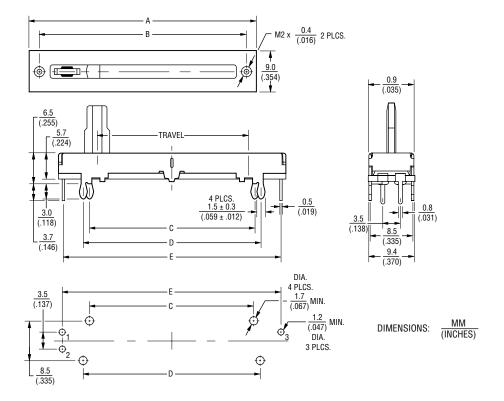
Applications

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

PTA Series - Low Profile Slide Potentiometer

Product Dimensions

PTAxx43



Single Gang Dimensions

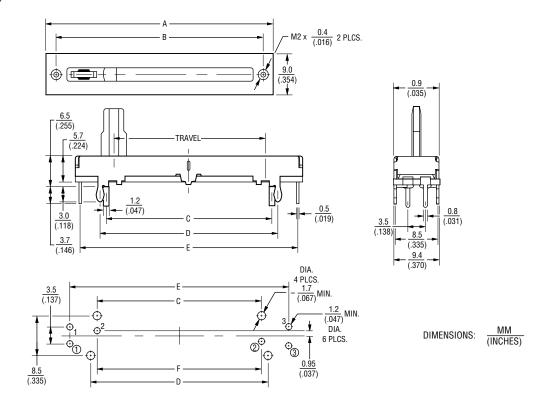
Model	Α	В	С	D	E	Travel
PTA1543	30 (1.18)	<u>26</u> (1.02)	17.8 (.700)	<u>20.2</u> (.795)	<u>28.5</u> (1.12)	<u>15</u> (.59)
PTA2043	35	31	22.8	<u>25.2</u>	33.5	20
	(1.37)	(1.22)	(.897)	(.992)	(1.32)	(.787)
PTA3043	45	41	32.8	35.2	43.5	30
	(1.77)	(1.61)	(1.29)	(1.38)	(1.71)	(1.18)
PTA4543	<u>60</u>	<u>56</u>	47.8	<u>50.2</u>	<u>58.5</u>	45
	(2.36)	(2.20)	(1.88)	(1.97)	(2.30)	(1.77)
PTA6043	75	71	<u>62.8</u>	65.2	73.5	60
	(2.95)	(2.79)	(2.47)	(2.56)	(2.89)	(2.36)

Schematic

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Product Dimensions

PTAxx44



Dual Gang Dimensions

Model	Α	В	С	D	E	F	Travel
PTA1544	30	26	17.8	20.2	28.5	18	15
	(1.18)	(1.02)	(.700)	(.795)	(1.12)	(.708)	(.59)
PTA2044	35	31	<u>22.8</u>	<u>25.2</u>	33	23	<u>20</u>
	(1.37)	(1.22)	(.897)	(.992)	(1.29)	(.905)	(.787)
PTA3044	45	41	32.8	35.2	43.5	33	30
	(1.77)	(1.61)	(1.29)	(1.38)	(1.71)	(1.29)	(1.18)
PTA4544	<u>60</u>	<u>56</u>	47.8	<u>50.2</u>	<u>58.5</u>	48	45
	(2.36)	(2.20)	(1.88)	(1.97)	(2.30)	(1.88)	(1.77)
PTA6044	75	71	<u>62.8</u>	65.2	73.5	63	60
	(2.95)	(2.79)	(2.47)	(2.56)	(2.89)	(2.48)	(2.36)

Schematic

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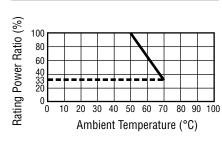
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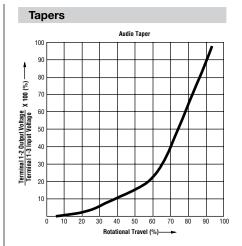
BOURNS®

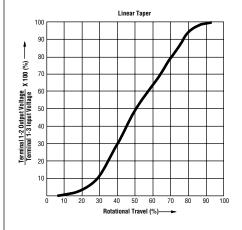
Derating Curve



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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