

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 15 mm 0.05 W (0.025 W Dual Gang)

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

15 mm ..0.025 W (0.015 W Dual Gang) 30 mm 0.1 W (0.05 W) 45 mm 0.125 W (0.06 W) 60 mm 0.125 W (0.06 W)

Maximum Operating Voltage, Linear

15 mm 100 V DC 20-60 mm 200 V DC Maximum Operating Voltage, 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

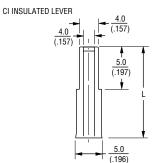
Operating Force30 to 250 gf Stop Strength 5 kgf min. Sliding Life......15,000 cycles Soldering Condition

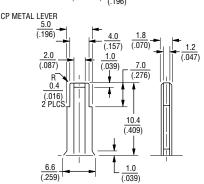
..350 °C max. within 3 ± 0.5 seconds Travel 15, 20, 30, 45, 60 mm

Lever Style & Product Dimensions

DP METAL LEVER (.039)3.0 1.0 (.039)

(.259)





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

DIMENSIONS:

Additional Information

Click these links for more information:







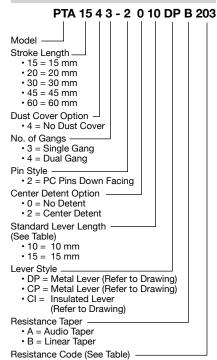




LIBRARY

INVENTORY SAMPLES

How To Order



Other styles available.



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

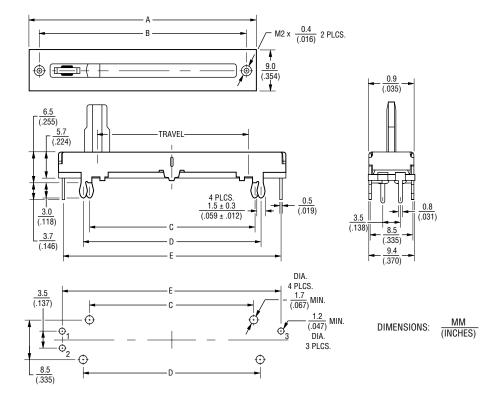
Applications

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

PTA Series - Low Profile Slide Potentiometer

Product Dimensions

PTAxx43



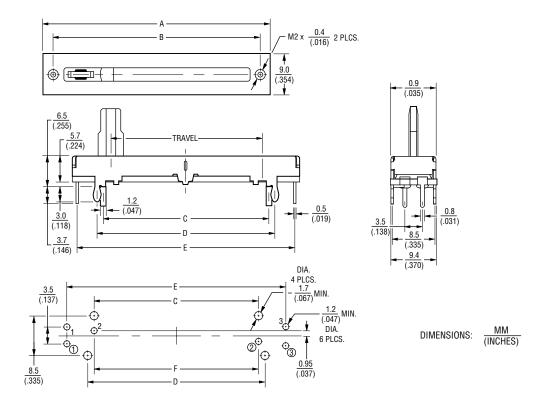
Single Gang Dimensions

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

Product Dimensions

PTAxx44



Dual Gang Dimensions

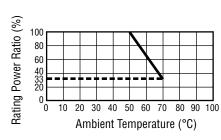
		i				1	r
Model	Α	В	С	D	E	F	Travel
PTA1544	30 (1.18)	<u>26</u> (1.02)	17.8 (.700)	20.2 (.795)	28.5 (1.12)	18 (.708)	<u>15</u> (.59)
PTA2044	35	31	<u>22.8</u>	<u>25.2</u>	33	23	<u>20</u>
	(1.37)	(1.22)	(.897)	(.992)	(1.29)	(.905)	(.787)
PTA3044	45	41	32.8	35.2	43.5	33	30
	(1.77)	(1.61)	(1.29)	(1.38)	(1.71)	(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	<u>60</u>
	(2.95)	(2.79)	(2.47)	(2.56)	(2.89)	(2.48)	(2.36)

Schematic

PTA Series - Low Profile Slide Potentiometer

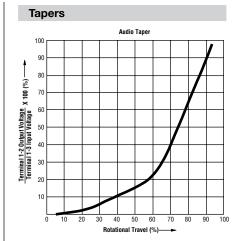
BOURNS®

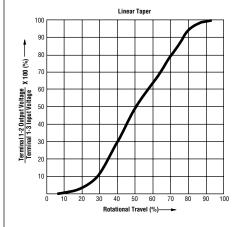
Derating Curve



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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