

Features

- Carbon element
- Metal housing
- 15-60 mm travel
- Single and dual gang
- Center detent option
- Dust cover 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 Resistance500 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 mm0.25 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) 20 mm 0.05 W (0.025 W) 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

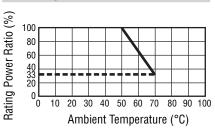
Withstand Voltage, Audio 1 Min. at 300 V AC Sliding Noise 100 mV maximum Tracking Error......3 dB at -40 to 0 dB

Mechanical Characteristics

Operating Force 30 to 250 g-cm Stop Strength 5 kg-cm min. Sliding Life......15,000 cycles Soldering Condition300 °C max. within 3 seconds

Travel15, 20, 30, 45, 60 mm

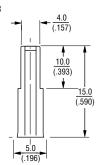
Derating Curve

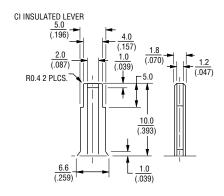


Lever Style & Product Dimensions

DP METAL LEVER (.157) 10.0 (.393)(.118)1.0 (.590) (.039) 3.0 1.0 (.118)(.039)5.0 (.196)(.259)

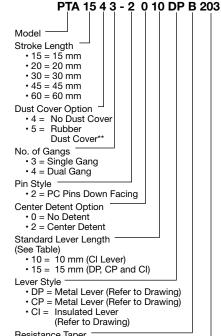
CP METAL LEVER





DIMENSIONS: (INCHES)

How To Order



- Resistance Taper
 - · A = Audio Taper • B = Linear Taper

Resistance Code (See Table)

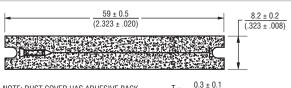
Other styles available.

** Part numbers with dust covers must be mounted with screws to a panel to prevent issues with the dust cover during usage.

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

Optional Dust Cover



NOTE: DUST COVER HAS ADHESIVE BACK.

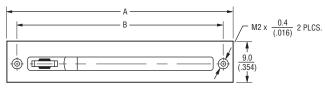
Applications

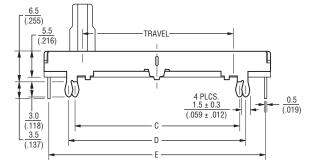
- Audio/TV sets
- Car radio
- Amplifiers/mixers/drum machines/synthesizers
- PCs/monitors
- Appliances

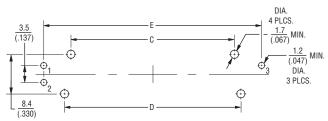
PTA Series - Low Profile Slide Potentiometer

Product Dimensions

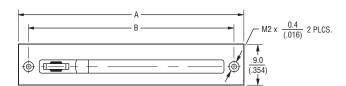


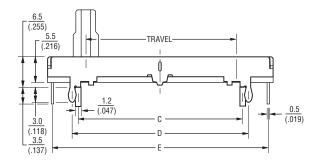


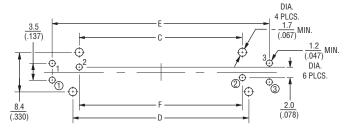




PTAxx44



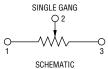




MM (INCHES) DIMENSIONS:

Single Gang Dimensions

Model	Α	В	С	D	E	Travel
PTA1543	<u>30</u>	<u>26</u>	<u>17.8</u>	<u>20.2</u>	<u>28.5</u>	<u>15</u>
	(3.18)	(1.02)	(.700)	(.795)	(1.12)	(.59)
PTA2043	<u>35</u>	31	22.8	<u>25.2</u>	33	<u>20</u>
	(1.37)	(1.22)	(.897)	(.992)	(1.29)	(.787)
PTA3043	45	41	32.8	35.2	43.5	30
	(1.77)	(1.61)	(1.29)	(1.38)	(1.71)	(1.18)
PTA4543	60	<u>56</u>	47.8	50.2	<u>58.5</u>	45
	(2.36)	(2.20)	(1.88)	(1.97)	(2.30)	(1.77)
PTA6043	<u>75</u>	<u>71</u>	<u>62.8</u>	65.2	73.5	<u>60</u>
	(2.95)	(2.79)	(2.47)	(2.56)	(2.89)	(2.36)



Dual Gang Dimensions

Model	Α	В	С	D	E	F	Travel
PTA1544	30 (3.18)	<u>26</u> (1.02)	<u>17.8</u> (.700)	<u>20.2</u> (.795)	<u>28.5</u> (1.12)	<u>18</u> (.708)	<u>15</u> (.59)
PTA2044	35	31	<u>22.8</u>	<u>25.2</u>	<u>33</u>	<u>23</u>	<u>20</u>
	(1.37)	(1.22)	(.897)	(.992)	(1.29)	(.905)	(.787)
PTA3044	45 (1.77)	41 (1.61)	<u>32.8</u> (1.29)	<u>35.2</u> (1.38)	<u>43.5</u> (1.71)	33 (1.29)	30 (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	<u>75</u>	71	62.8	65.2	73.5	63	60
	(2.95)	(2.79)	(2.47)	(2.56)	(2.89)	(2.48)	(2.36)





