

Features

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



Electrical Characteristics

Taper..... Linear, audio Standard Resistance Range

.....1 K ohms to 1 M ohms Standard Resistance Tolerance.....±20 % **Residual Resistance**

Insulation Resistance

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

.....

Environmental Characteristics

Operating Temperature

10 °C to +50 °C
Power Rating, Linear
15 mm0.05 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 mm0.025 W (0.015 W Dual Gang)
20 mm
30 mm 0.1 W (0.05 W)
45 mm0.125 W (0.06 W)
60 mm
Maximum Operating Voltage, Linear
15 mm
20-60 mm 200 V DC
Maximum Operating Voltage, Audio
15 mm
20-60 mm 150 V DC
Withstand Voltage, Audio
1 Min. at 300 V AC
Sliding Noise 100 mV maximum
Tracking Error
Mechanical Characteristics

Operating Force	30 to 250 gf
Stop Strength	5 kgf min.
Sliding Life	15,000 cycles
Soldering Condition	-

Travel 15, 20, 30, 45, 60 mm



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

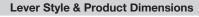
*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

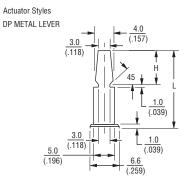
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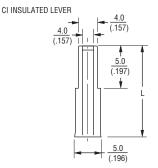
Users should verify actual device performance in their specific applications.

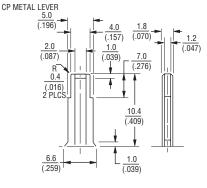
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PTA Series - Low Profile Slide Potentiometer









Dimension

Н

10

(.394) 7

(.276) MM

(INCHES)

L

15

(.591)

10 (.394)

DIMENSIONS:

PTA 15 4 3 - 2 0 10 DP B 20
Model Stroke Length • 15 = 15 mm • 20 = 20 mm • 30 = 30 mm • 45 = 45 mm • 60 = 60 mm Dust Cover Option • 4 = No Dust Cover No. of Gangs • 3 = Single Gang • 4 = Dual Gang Pin Style • 2 = PC Pins Down Facing Center Detent Option • 0 = No Detent • 2 = Center Detent
Standard Lever Length (See Table) • 10 = 10 mm • 15 = 15 mm
Lever Style • DP = Metal Lever (Refer to Drawing) • CP = Metal Lever (Refer to Drawing) • CI = Insulated Lever (Refer to Drawing)
Resistance Taper • A = Audio Taper • B = Linear Taper

Resistance Code (See Table) -

Other styles available.

How To Order

Applications

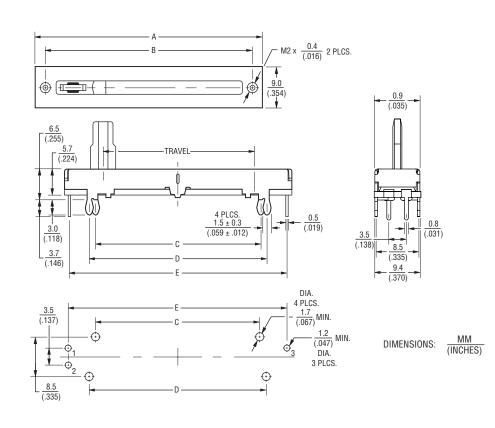
- Audio/TV sets
- Amplifiers/mixers/drum machines/synthesizers
- PCs/monitors
- Appliances

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Product Dimensions

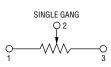
PTAxx43



Single Gang Dimensions

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

Schematic



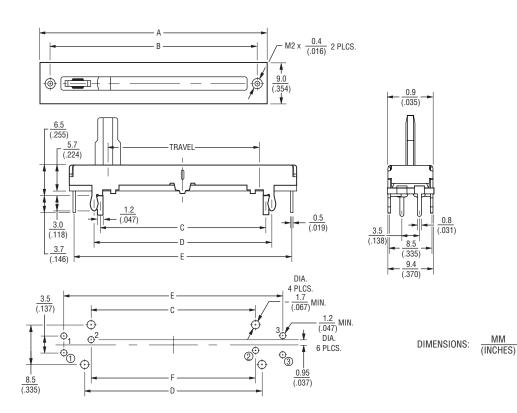
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Product Dimensions

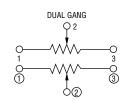
PTAxx44



Dual Gang Dimensions

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

Schematic



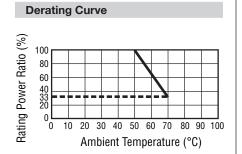
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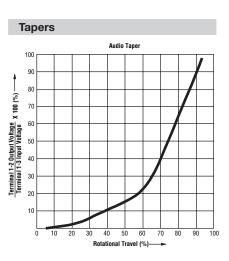
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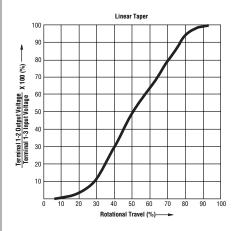
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Standard Resistance Table			
Resistance (Ohms)	Resistance Code		
1,000	102		
2,000	202		
5,000	502		
10,000	103		
20,000	203		
50,000	503		
100,000	104		
200,000	204		
500,000	504		
1,000,000	105		





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