

Features

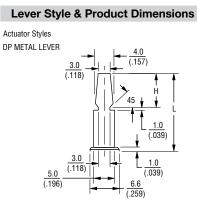
- Carbon element
- Metal housing
- 15-60 mm travel
- Single and dual gang
- Center detent option
- RoHS compliant*



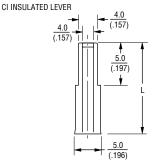
Electrical Characteristics			
Taper Linear, audio			
Standard Resistance Range			
1 K ohms to 1 M ohms			
Standard Resistance Tolerance±20 %			
Residual Resistance			
500 ohms or 1 % max.			
Insulation Resistance			
Min. 100 megohms at 250 V DC			
Environmental Characteristics			
Operating Temperature			
10 °C to +50 °C			
Power Rating, Linear			
15 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 mm0.05 W (0.025 W)			
30 mm 0.1 W (0.05 W)			
45 mm0.125 W (0.06 W)			
60 mm0.125 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 Error3 dB at -40 to 0 dB			
Mechanical Characteristics			

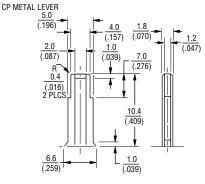
Operating Force	30 to 250 gf
Stop Strength	5 kgf min.
Sliding Life	.15,000 cycles
Soldering Condition	

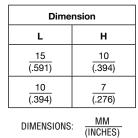
350 °C max.	within 3 ± 0.5 seconds	
Travel	. 15, 20, 30, 45, 60 mm	



PTA Series - Low Profile Slide Potentiometer







Additional Information

Click these links for more information:



How To Order

PTA 15 4 3 - 2 0 10 DP B 203	3
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.

WARNING Cancer and Reproductive Harm - <u>www.P65Warnings.ca.gov</u>

*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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Applications

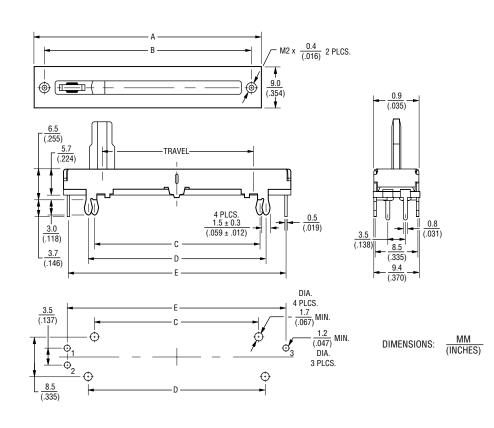
- Audio/TV sets
- Amplifiers/mixers/drum machines/synthesizers
- PCs/monitors
- Appliances

PTA Series - Low Profile Slide Potentiometer

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Product Dimensions

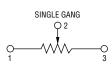
PTAxx43



Single Gang Dimensions

Model	Α	В	С	D	E	Travel
PTA1543	<u>30</u> (1.18)	<u>26</u> (1.02)	<u>17.8</u> (.700)	<u>20.2</u> (.795)	<u>28.5</u> (1.12)	<u> </u>
PTA2043	<u>35</u>	<u>31</u>	<u>22.8</u>	<u>25.2</u>	<u>33.5</u>	<u>20</u>
	(1.37)	(1.22)	(.897)	(.992)	(1.32)	(.787)
PTA3043	<u>45</u>	<u>41</u>	<u>32.8</u>	<u>35.2</u>	<u>43.5</u>	<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	<u>71</u>	<u>62.8</u>	<u>65.2</u>	73.5	<u>60</u>
	(2.95)	(2.79)	(2.47)	(2.56)	(2.89)	(2.36)

Schematic



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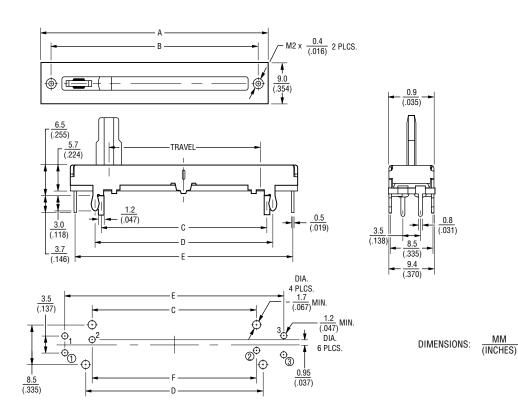
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Product Dimensions

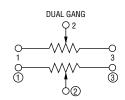
PTAxx44



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>	<u>41</u>	<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



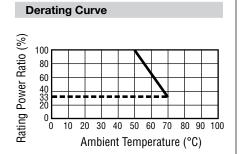
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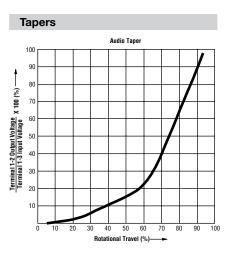
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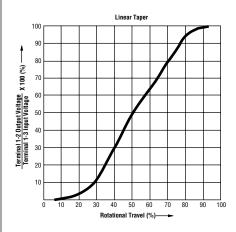
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Standard Resistance Table			
Resistance (Ohms)	Resistance Code		
1,000	102		
2,000 5.000	202 502		
10.000	103		
20,000	203		
50,000	503		
100,000	104		
200,000	204		
500,000 1,000,000	504 105		





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