

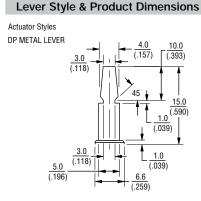
Features

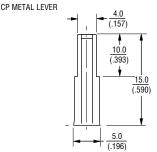
- Carbon element
- Metal housing
- 15-60 mm travel
- Single and dual gang
- Center detent option
- RoHS compliant*

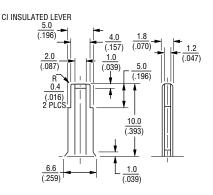


PTA Series - Low Profile Slide Potentiometer

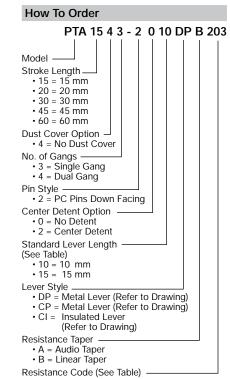
Electrical Characteristics Taper.....Linear, audio Standard Resistance Range1 K ohms to 1 M ohms Standard Resistance Tolerance.....±20 % Residual Resistance500 ohms or 1 % max. Insulation Resistance Min. 100 megohms at 250 V DC **Environmental Characteristics** Operating Temperature-10 °C to +50 °C Power Rating, Linear 15 mm 0.05 W (0.025 W Dual Gang) 20 mm0.1 W (0.05 W) 30 mm 0.2 W (0.1 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 mm0.125 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 Condition** 300 °C max. within 3 seconds







DIMENSIONS: $\frac{MM}{(INCHES)}$



Other styles available.



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

Travel 15, 20, 30, 45, 60 mm

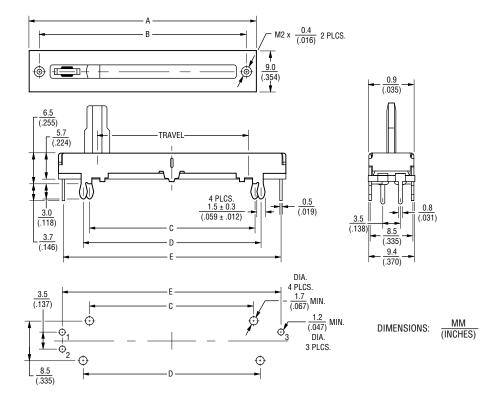
Applications

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

PTA Series - Low Profile Slide Potentiometer

Product Dimensions

PTAxx43



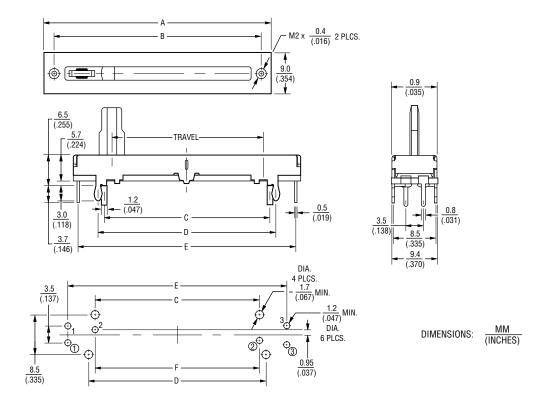
Single Gang Dimensions

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	<u>20</u>
	(1.37)	(1.22)	(.897)	(.992)	(1.29)	(.787)
PTA3043	45	<u>41</u>	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>	<u>47.8</u>	<u>50.2</u>	<u>58.5</u>	<u>45</u>
	(2.36)	(2.20)	(1.88)	(1.97)	(2.30)	(1.77)
PTA6043	75	71	<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

Product Dimensions

PTAxx44



Dual Gang Dimensions

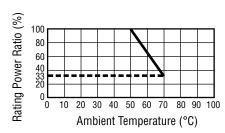
Model	А	В	С	D	E	F	Travel
PTA1544	30 (1.18)	<u>26</u> (1.02)	17.8 (.700)	<u>20.2</u> (.795)	28.5 (1.12)	18 (.708)	<u>15</u> (.59)
PTA2044	35	31	<u>22.8</u>	<u>25.2</u>	33	23	<u>20</u>
	(1.37)	(1.22)	(.897)	(.992)	(1.29)	(.905)	(.787)
PTA3044	45	<u>41</u>	32.8	<u>35.2</u>	43.5	33	30
	(1.77)	(1.61)	(1.29)	(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>	<u>65.2</u>	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

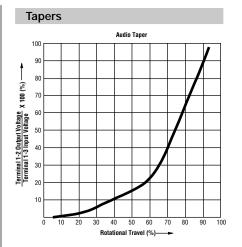
BOURNS®

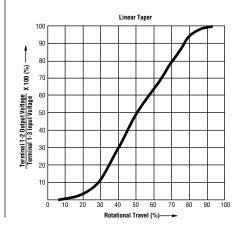
Derating Curve



Standard Resistance Table Resistance (Ohms) Resistance Code 1,000 2,000 5,000 102 202 502 10,000 20,000 103 203 503 104 204 50,000 100,000 200.000

500,000 1,000,000





BOURNS®

Asia-Pacific: Tel: +886-2 2562-4117 • Email: asiacus@bourns.com

EMEA: Tel: +36 88 885 877 • Email: eurocus@bourns.com

The Americas: Tel: +1-951 781-5500 • Email: americus@bourns.com

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