

Features

- Long life carbon element
- Assortment of resistance tapers
- 45 mm, 60 mm and 100 mm travel lengths
- Single and dual gang elements
- Long operational life
- Tracking error within ±2 dB



PTF Series Long Life Slide Potentiometer

Electrical Characteristics

Standard Resistance Range1K ohms to 1 megohm Standard Resistance Tolerance... ±20 % End Resistance 1 ohm max. Insulation Resistance @ 500 VDC100 megohms min. Dielectric Withstanding Voltage1000 VAC Tracking Error ±2 dB Standard Taper.....Linear, Audio Power Rating - Linear 45 mm 0.25 watt Power Rating - Audio 45 mm 0.125 watt 60 & 100 mm.................0.25 watt

Environmental Characteristics

Operational Life100,000 cycle	2S
TR Shift ±15 S	%
Operating Temperature Range	
10 °C to +55 °	С
Resistance to Solder Heat±5 S	%

Slider Noise60 mV max.

Mechanical Characteristics

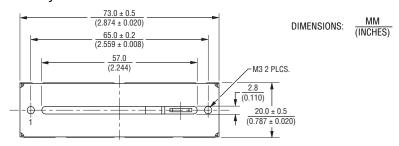
Mechanical Travel

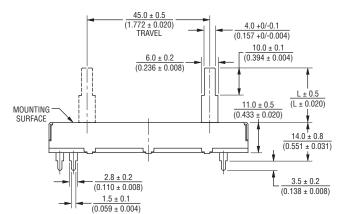
See Produc	ct Dimensions
Operating Force	50 gf
Stop Strength	5 kgf min.
Shaft Axial Force	10 kgf min.
Shaft Wobble 2(2 x L/25)	mm p-p max.
Soldering Condition	

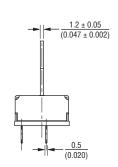
oldering Condi	tion			
Manual	.300	°C ±5	°C for	3 sec.
Wave	.260	°C ±5	°C for	5 sec.
Wash		Not re	comm	ended

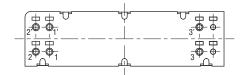
Product Dimensions

45 mm Length of Travel Lever End Style "A"

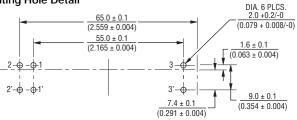




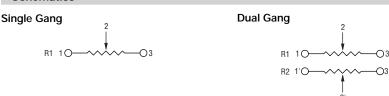




Mounting Hole Detail



Schematics





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

*RoHS Directive 2015/863, Mar 31, 2015 and Annex. Specifications are subject to change without notice.

Applications

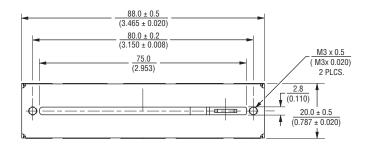
- Mixing consoles
- Drum machines
- Keyboards and synthesizers
- Equalizers

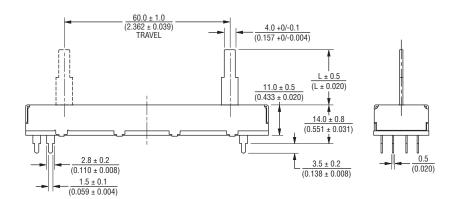
PTF Series Long Life Slide Potentiometer

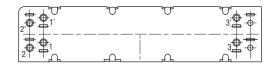
BOURNS®

Product Dimensions

60 mm Length of Travel Lever End Style "A"

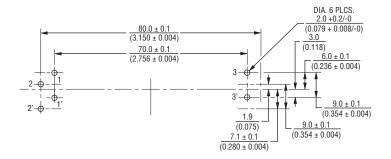




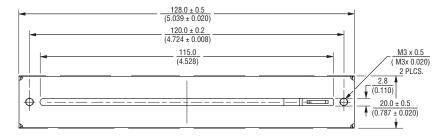


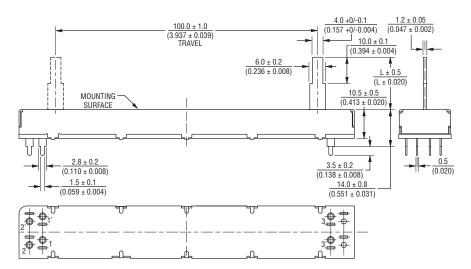
DIMENSIONS: $\frac{MM}{(INCHES)}$

Mounting Hole Detail

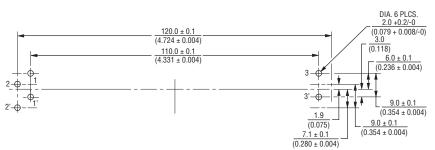


100 mm Length of Travel Lever End Style "A"



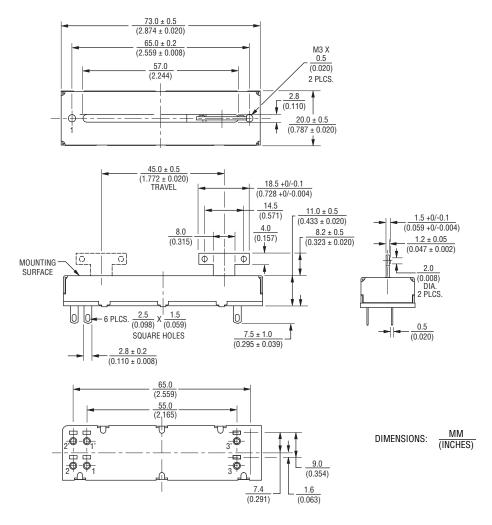


Mounting Hole Detail

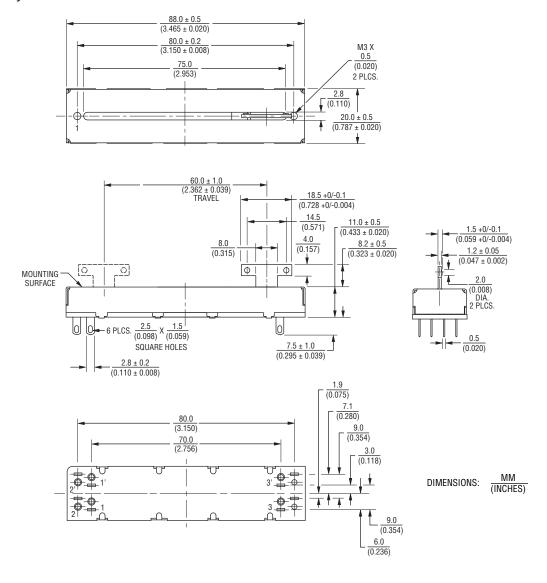


DIMENSIONS: $\frac{MM}{(INCHES)}$

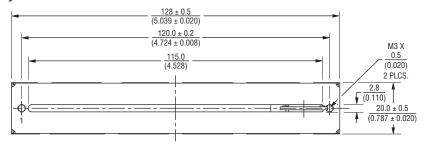
45 mm Length of Travel Lever End Style "T"

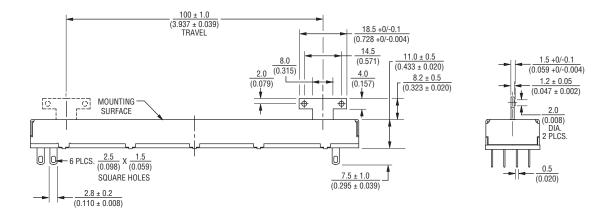


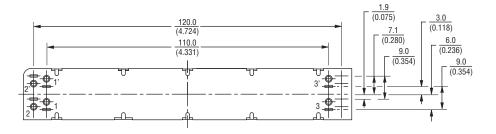
60 mm Length of Travel Lever End Style "T"



100 mm Length of Travel Lever End Style "T"





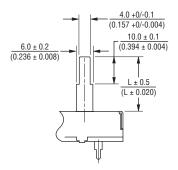


DIMENSIONS: $\frac{MM}{(INCHES)}$

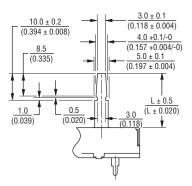
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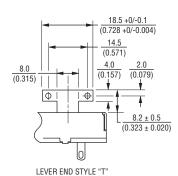
Lever End Styles



LEVER END STYLE "A"

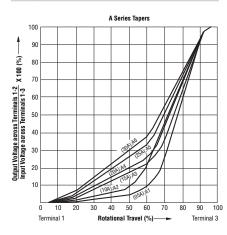


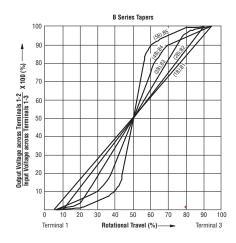
LEVER END STYLE "B"

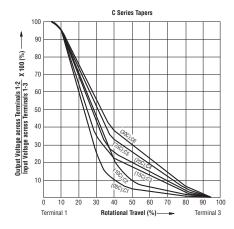


Lever Length (A & B Lever Only) 15.0 (.591)20.0 (.787)

Tapers





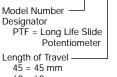


Standard Resistance Table

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

How To Order





60 = 60 mm01 = 100 mm

Lever Length 08 = 8.2 mm ("T" Lever Only)

15 = 15 mm ("A" & "B" Lever Only)

20 = 20 mm ("A" & "B" Lever Only)

No. of Gangs

- 1 = Single Gang with PC Pins 2 = Dual Gang with PC Pins 3 = Single Gang with Solder Lugs

- 4 = Dual Gang with Solder Lugs

- Lever End Style

 A = Metal Lever (Refer to Drawing)
 - B = Metal Lever (Refer to Drawing)
 - T = Metal Lever (Refer to Drawing)

Resistance Code

(See Standard Resistance Table)

Resistance Taper (See Taper Charts) Taper Series followed by Curve Number

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