

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 Resistance1 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 Slider Noise60 mV max.

Environmental Characteristics

Operational Life	100,000 cycles
TR Shift	±15 %
Operating Temperature	Range
	10 °C to +55 °C
Resistance to Solder H	leat±5 %

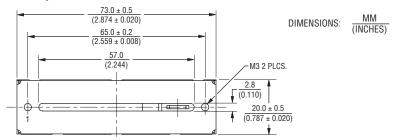
Mechanical Characteristics

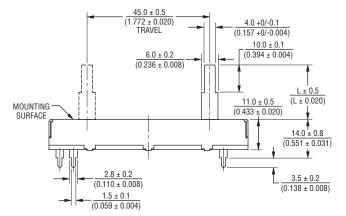
Mechanical Travel

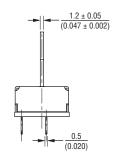
Manual300 °C ±5 °C for 3 sec. Wave260 °C ±5 °C for 5 sec. WashNot recommended

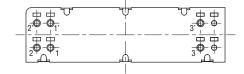
Product Dimensions

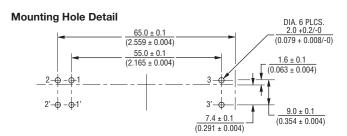
45 mm Length of Travel Lever End Style "A"











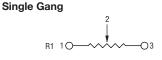
<u>^</u>

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

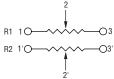
*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex Specifications are subject to change without notice. Users should verify actual device performance in their specific applications.

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Schematics



Dual Gang



Applications

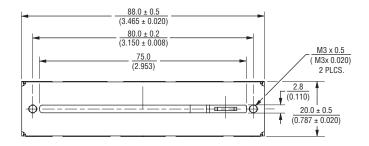
- Mixing consoles
- Drum machines
- Keyboards and synthesizers
- Equalizers

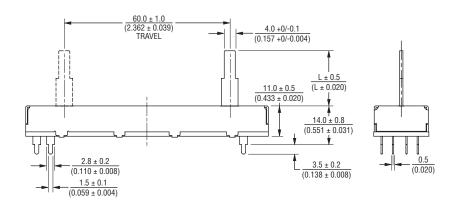
PTF Series Long Life Slide Potentiometer

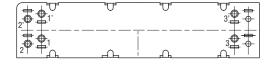
BOURNS®

Product Dimensions

60 mm Length of Travel Lever End Style "A"

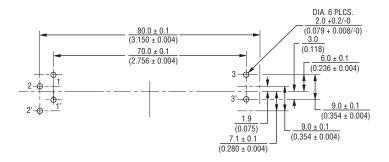








Mounting Hole Detail



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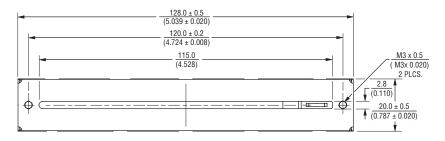
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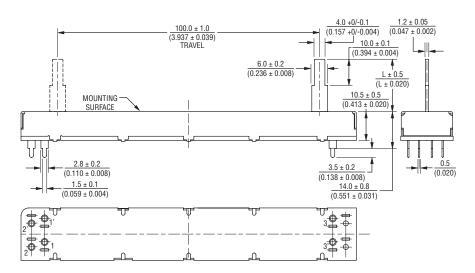
PTF Series Long Life Slide Potentiometer

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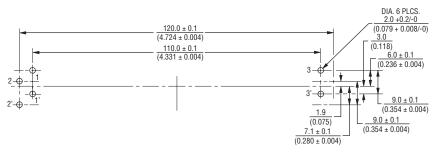
Product Dimensions

100 mm Length of Travel Lever End Style "A"





Mounting Hole Detail



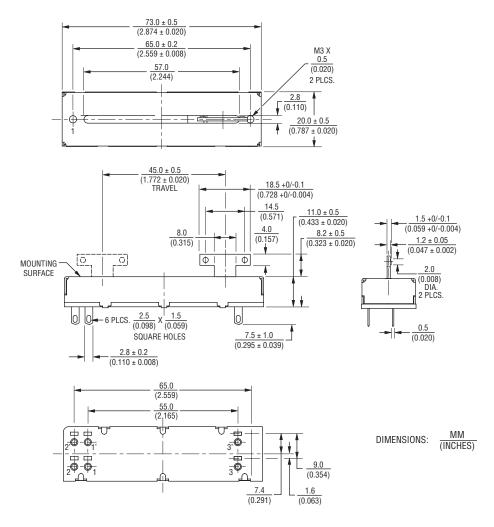
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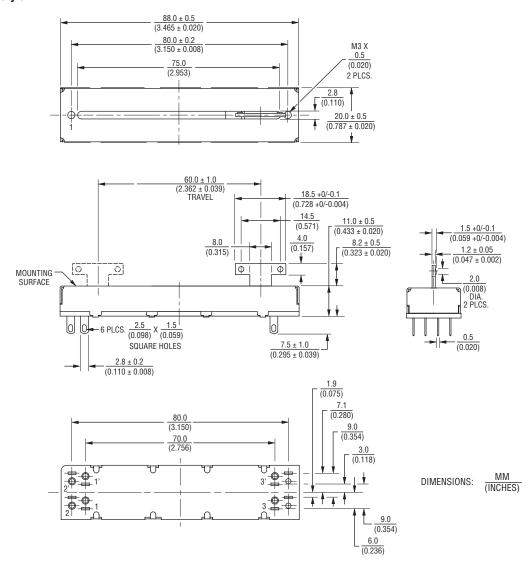
Product Dimensions

45 mm Length of Travel Lever End Style "T"



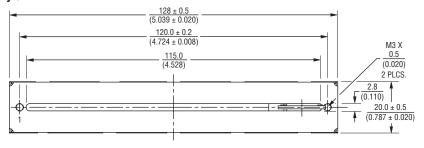
Product Dimensions

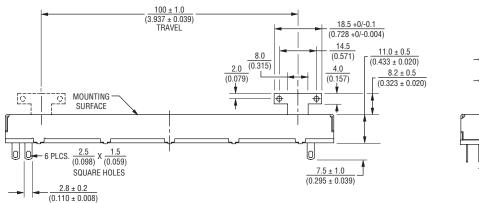
60 mm Length of Travel Lever End Style "T"

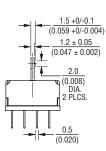


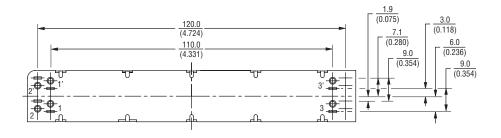
Product Dimensions

100 mm Length of Travel Lever End Style "T"





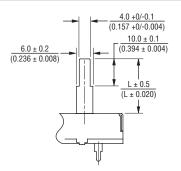




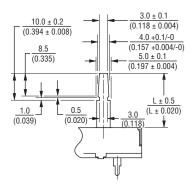
DIMENSIONS: $\frac{MM}{(INCHES)}$

PTF Series Long Life Slide Potentiometer

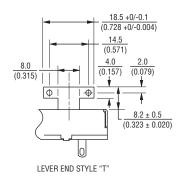
Lever End Styles



LEVER END STYLE "A"



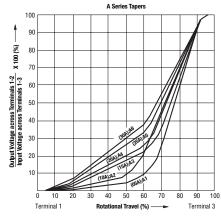
LEVER END STYLE "B"

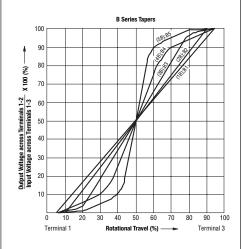


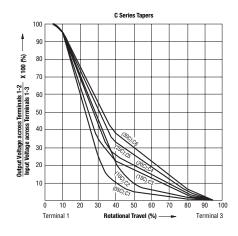
Lever Length (A & B Lever Only) 15.0 (.591)20.0 (.787)

100

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

PTF 45 - 15 2 A - 103 B2

Model Number —	
Designator	
PTF = Long Life Slide Potentiometer	
Length of Travel ————————————————————————————————————	

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)

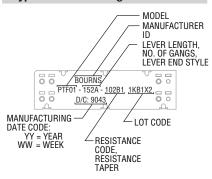
T = Metal Lever (Refer to Drawing)

Resistance Code

(See Standard Resistance Table)

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

Typical Part Marking



MARKING IN BLACK INK.

REV. 06/22

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