

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 mm0.25 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 cycle	es
TR Shift	±15 9	%
Operating Temperature	Range	
	·10 °C to +55 °	С
Resistance to Solder He	at±5 9	%

Mechanical Characteristics

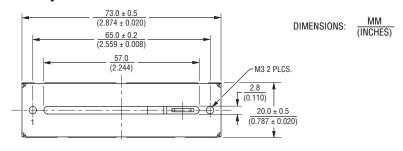
Mechanical Travel

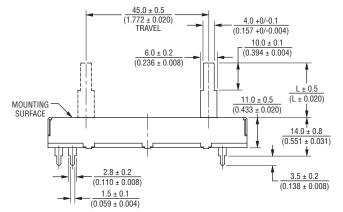
See Produc	ct Dimensions
Operating Force	50 gf
Stop Strength	5 kgf min.
Shaft Axial Force	10 kgf min.
Shaft Wobble 2(2 x L/25)	mm p-p max.
Soldering Condition	

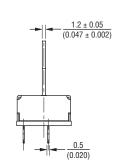
Manual	300 °C ±5 °C for 3 sec.
Wave	260 °C ±5 °C for 5 sec.
Wash	Not recommended

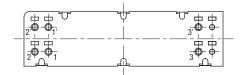
Product Dimensions

45 mm Length of Travel Lever End Style "A"

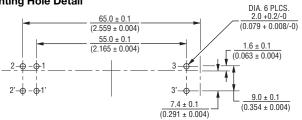








Mounting Hole Detail



Schematics



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

Applications

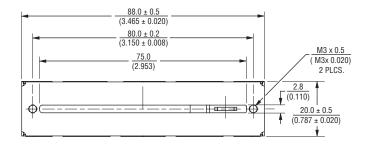
- Mixing consoles
- Drum machines
- Keyboards and synthesizers
- Equalizers

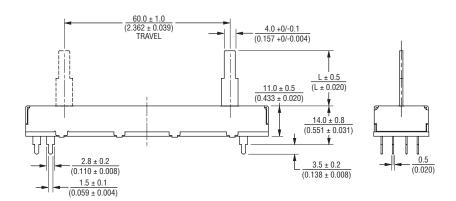
PTF Series Long Life Slide Potentiometer

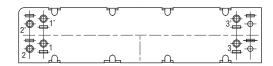
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Product Dimensions

60 mm Length of Travel Lever End Style "A"

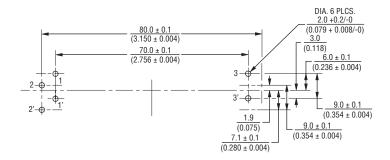






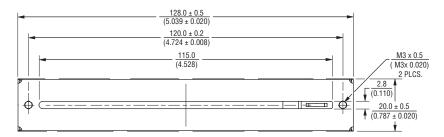
DIMENSIONS: $\frac{MM}{(INCHES)}$

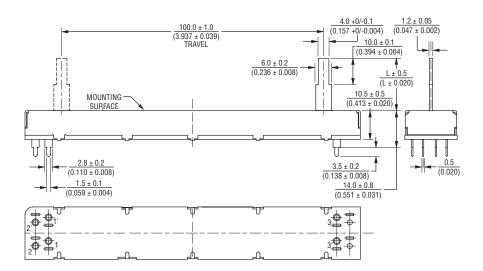
Mounting Hole Detail



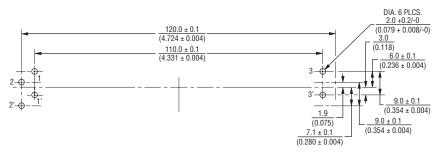
Product Dimensions

100 mm Length of Travel Lever End Style "A"





Mounting Hole Detail

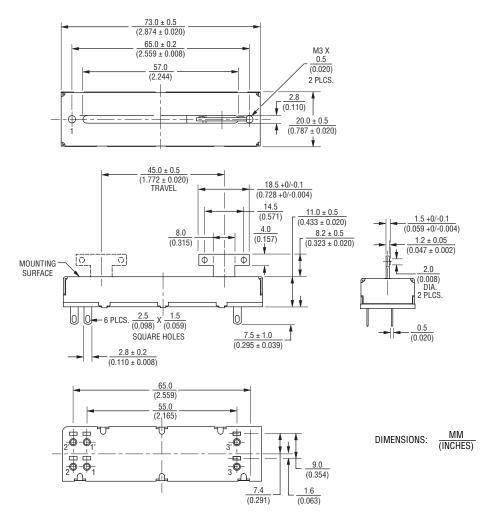


PTF Series Long Life Slide Potentiometer

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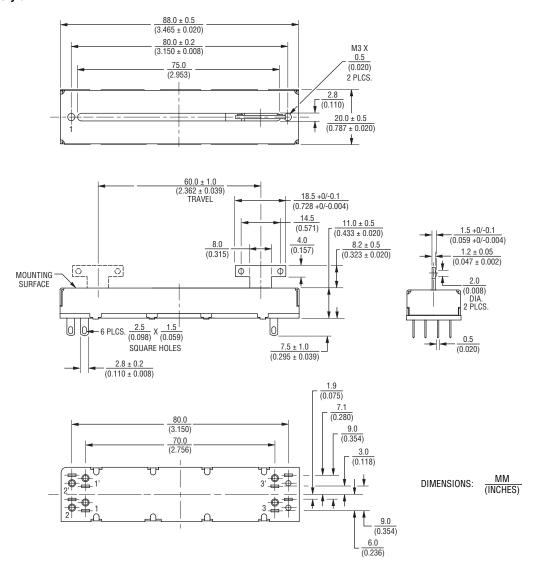
Product Dimensions

45 mm Length of Travel Lever End Style "T"



Product Dimensions

60 mm Length of Travel Lever End Style "T"

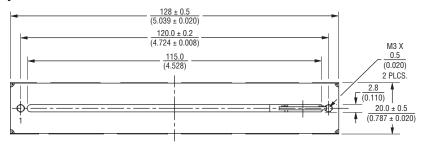


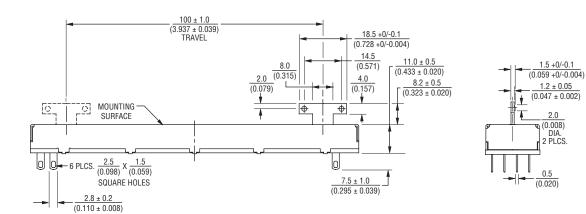
PTF Series Long Life Slide Potentiometer

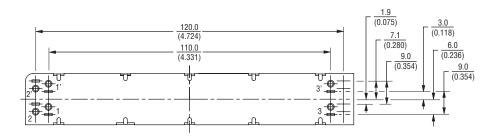
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Product Dimensions

100 mm Length of Travel Lever End Style "T"



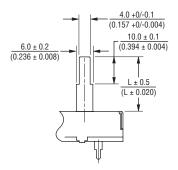




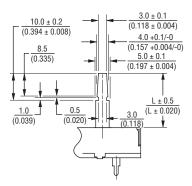
DIMENSIONS: $\frac{MM}{(INCHES)}$

PTF Series Long Life Slide Potentiometer

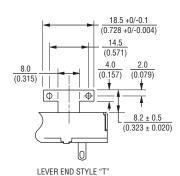
Lever End Styles



LEVER END STYLE "A"

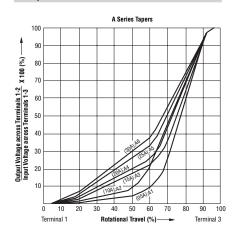


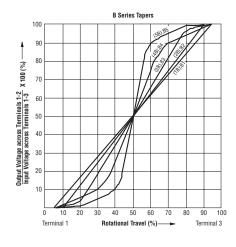
LEVER END STYLE "B"

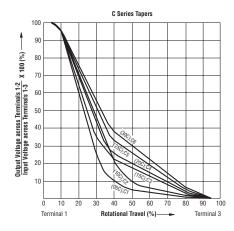


Lever Length		
(A & B Lever Only)		
<u>15.0</u> (.591)		
<u>20.0</u> (.787)		

Tapers



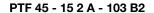


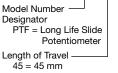


Standard Resistance Table

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bourns:

PTF45-152A-202B2 PTF60-202B-503B2 PTF45-152B-202B2 PTF60-202A-503B2 PTF60-201A-104B2 PTF60-201B-104B2 PTF01-151B-202B2 PTF01-151A-202B2 PTF60-202A-102B2 PTF60-152B-204B2 PTF60-152A-204B2 PTF60-202B-102B2 PTF01-201B-103B2 PTF45-201A-102B2 PTF45-151B-204B2 PTF60-151A-102B2 PTF60-151B-102B2 PTF01-201A-103B2 PTF45-151A-204B2 PTF45-201B-102B2 PTF60-151A-503B2 PTF45-201A-503B2 PTF45-202A-204B2 PTF45-201B-503B2 PTF45-202B-204B2 PTF60-151B-503B2 PTF60-152B-104B2 PTF60-152A-104B2 PTF01-151A-102B2 PTF45-152B-503B2 PTF01-151B-102B2 PTF45-152A-503B2 PTF45-152B-102B2 PTF45-152A-102B2 PTF01-201B-203B2 PTF01-151A-503B2 PTF60-151A-202B2 PTF60-151B-202B2 PTF01-201A-203B2 PTF01-151B-503B2 PTF60-201B-204B2 PTF60-201A-204B2 PTF45-202B-104B2 PTF45-202A-104B2 PTF60-202B-202B2 PTF45-151A-104B2 PTF01-151B-105B2 PTF01-202B-503B2 PTF60-202A-202B2 PTF01-151A-105B2 PTF01-202A-503B2 PTF45-151B-104B2 PTF60-152A-102B2 PTF01-202B-103B2 PTF45-202A-102B2 PTF45-152B-204B2 PTF45-202B-102B2 PTF60-152B-102B2 PTF01-202A-103B2 PTF45-152A-204B2 PTF45-201A-502B2 PTF45-202A-203B2 PTF01-201B-503B2 PTF01-202B-204B2 PTF60-201B-202B2 PTF60-151A-502B2 PTF60-152A-203B2 PTF60-151B-502B2 PTF60-152B-203B2 PTF01-201A-503B2 PTF01-202A-204B2 PTF60-201A-202B2 PTF45-201B-502B2 PTF45-202B-203B2 PTF45-202A-503B2 PTF01-151A-204B2 PTF01-201B-102B2 PTF01-152A-103B2 PTF60-152A-503B2 PTF01-152B-103B2 PTF60-152B-503B2 PTF01-201A-102B2 PTF01-151B-204B2 PTF45-202B-503B2 PTF45-201B-104B2 PTF45-201A-104B2 PTF01-152B-202B2 PTF60-202B-502B2 PTF45-152A-105B2 PTF60-151B-104B2 PTF01-152A-202B2 PTF60-202A-502B2 PTF60-151A-104B2 PTF45-152B-105B2 PTF60-201A-103B2 PTF45-151B-503B2 PTF01-202A-105B2 PTF45-151A-503B2 PTF01-202B-105B2 PTF60-201B-103B2