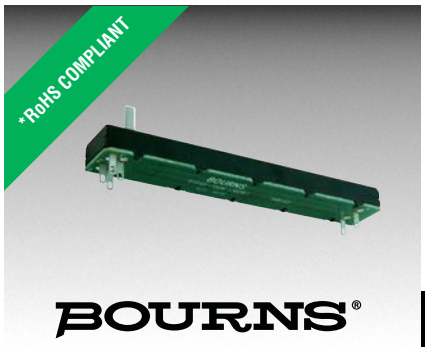


Features

- 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

BOURNS® PRO AUDIO

PTF Series Long Life Slide Potentiometer

Electrical Characteristics

Standard Resistance Range
..... 1K ohms to 1 megohm
Standard Resistance Tolerance... ±20 %
End Resistance .....1 ohm max.
Insulation Resistance @ 500 VDC
..... 100 megohms min.
Dielectric Withstanding Voltage
..... 1000 VAC
Tracking Error ..... ±2 dB
Standard Taper..... Linear, Audio
Power Rating - Linear
45 mm .....0.25 watt
60 & 100 mm.....0.5 watt
Power Rating - Audio
45 mm .....0.125 watt
60 & 100 mm.....0.25 watt
Slider Noise .....60 mV max.

Environmental Characteristics

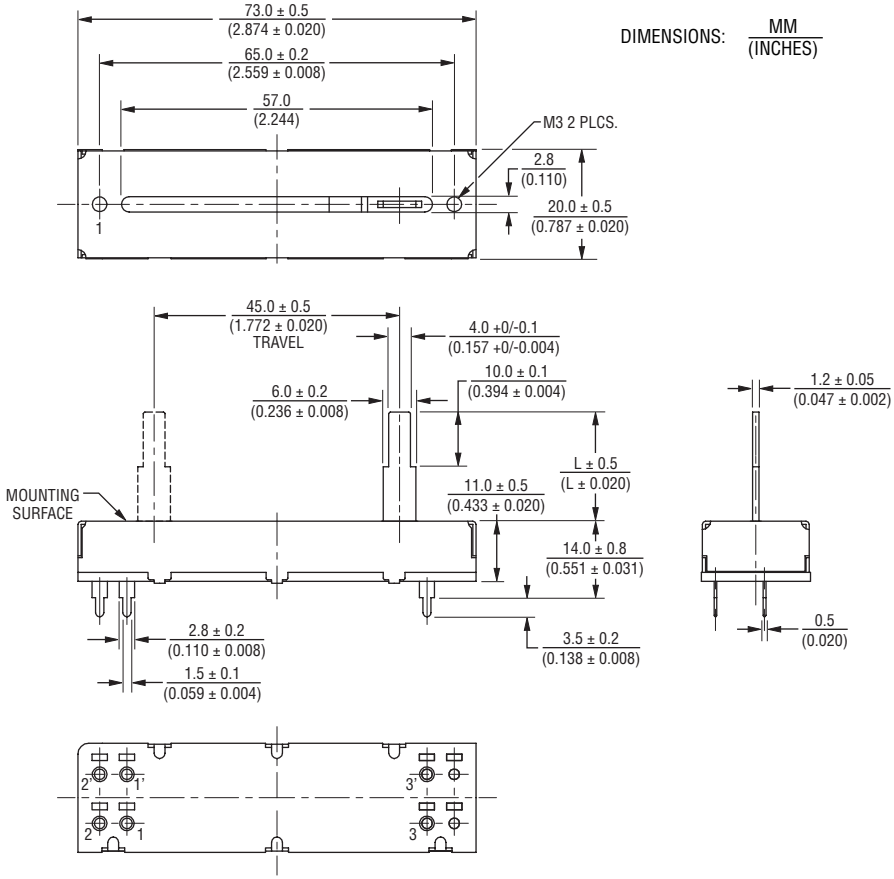
Operational Life .....100,000 cycles
TR Shift ..... ±15 %
Operating Temperature Range
..... -10 °C to +55 °C
Resistance to Solder Heat..... ±5 %

Mechanical Characteristics

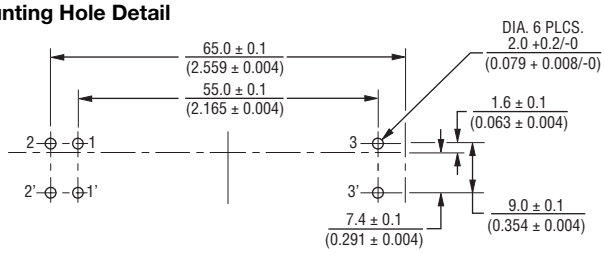
Mechanical Travel
..... See Product Dimensions
Operating Force .....50 gf
Stop Strength ..... 5 kgf min.
Shaft Axial Force ..... 10 kgf min.
Shaft Wobble.. 2(2 x L/25) mm p-p max.
Soldering Condition
Manual .....300 °C ±5 °C for 3 sec.
Wave .....260 °C ±5 °C for 5 sec.
Wash .....Not recommended

Product Dimensions

45 mm Length of Travel
Lever End Style "A"

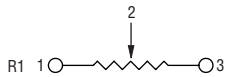


Mounting Hole Detail

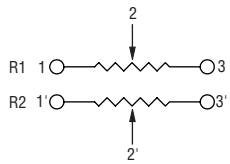


Schematics

Single Gang



Dual Gang



*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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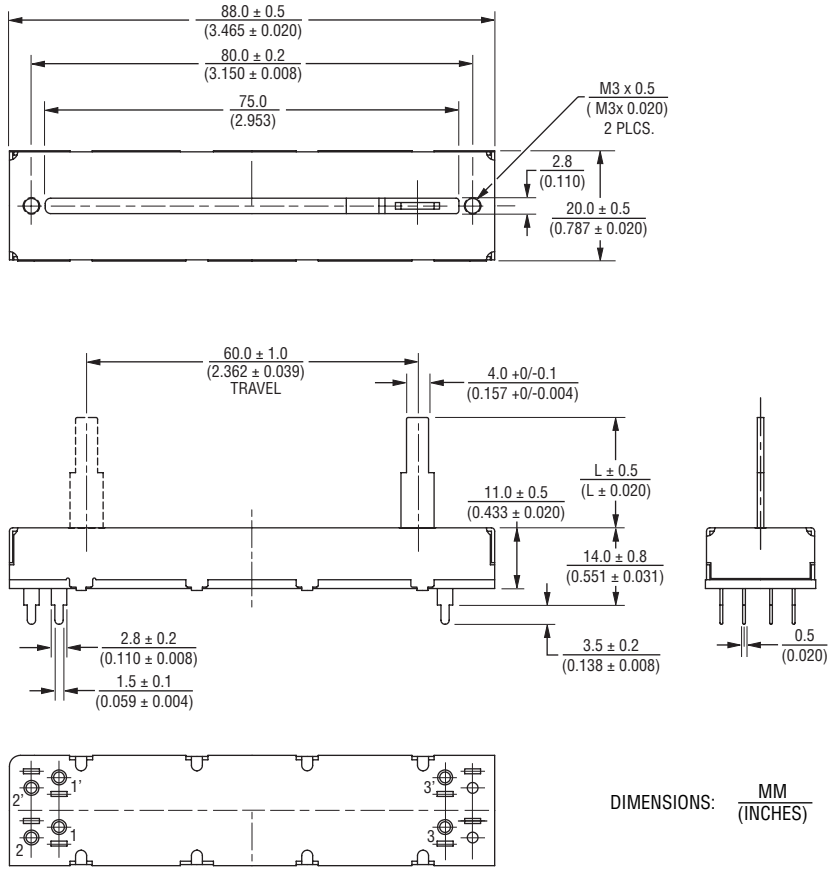
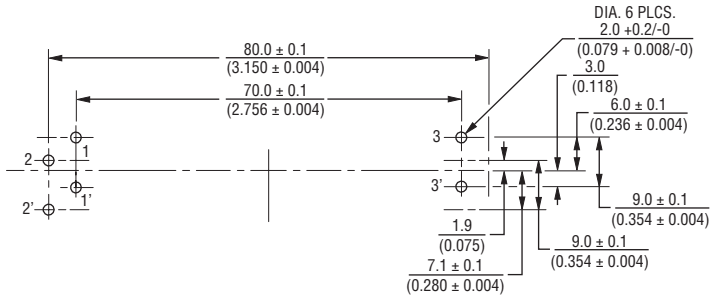
Product Dimensions

60 mm Length of Travel
Lever End Style "A"

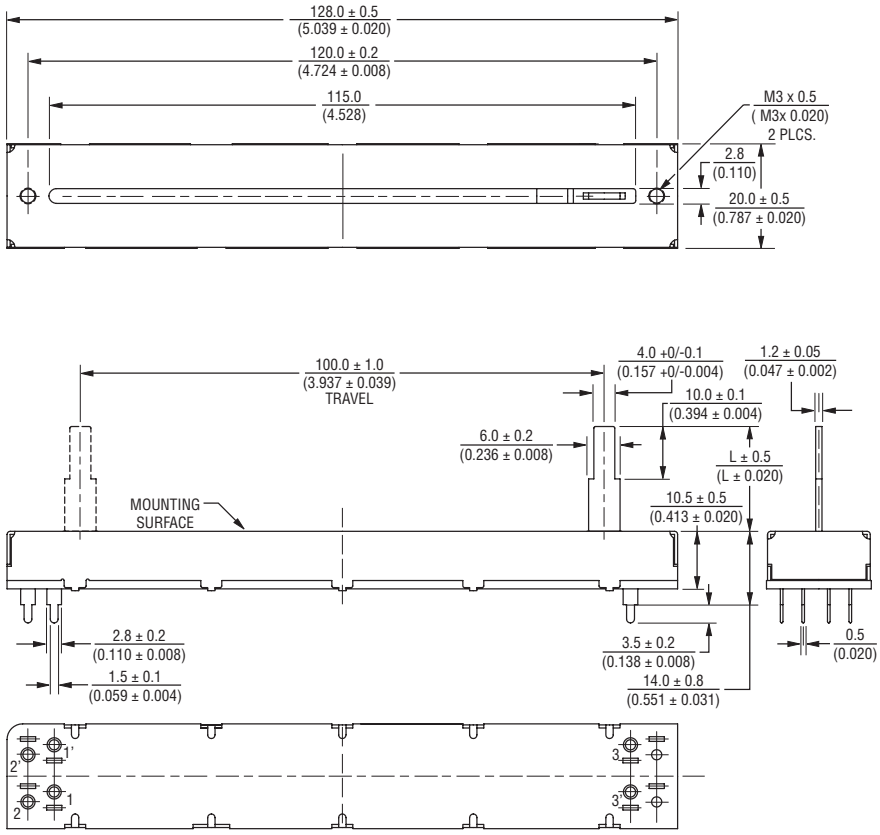


Mounting Hole Detail

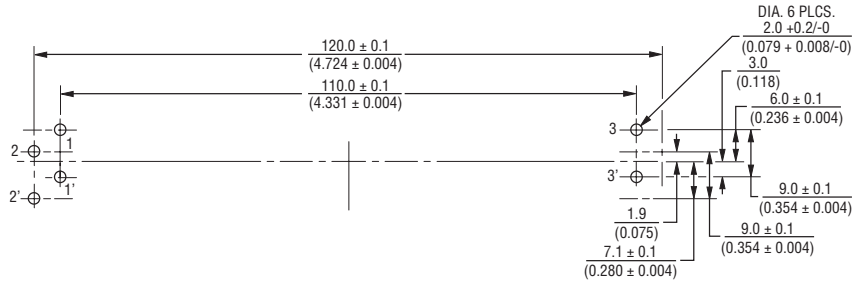


Product Dimensions

100 mm Length of Travel
Lever End Style "A"



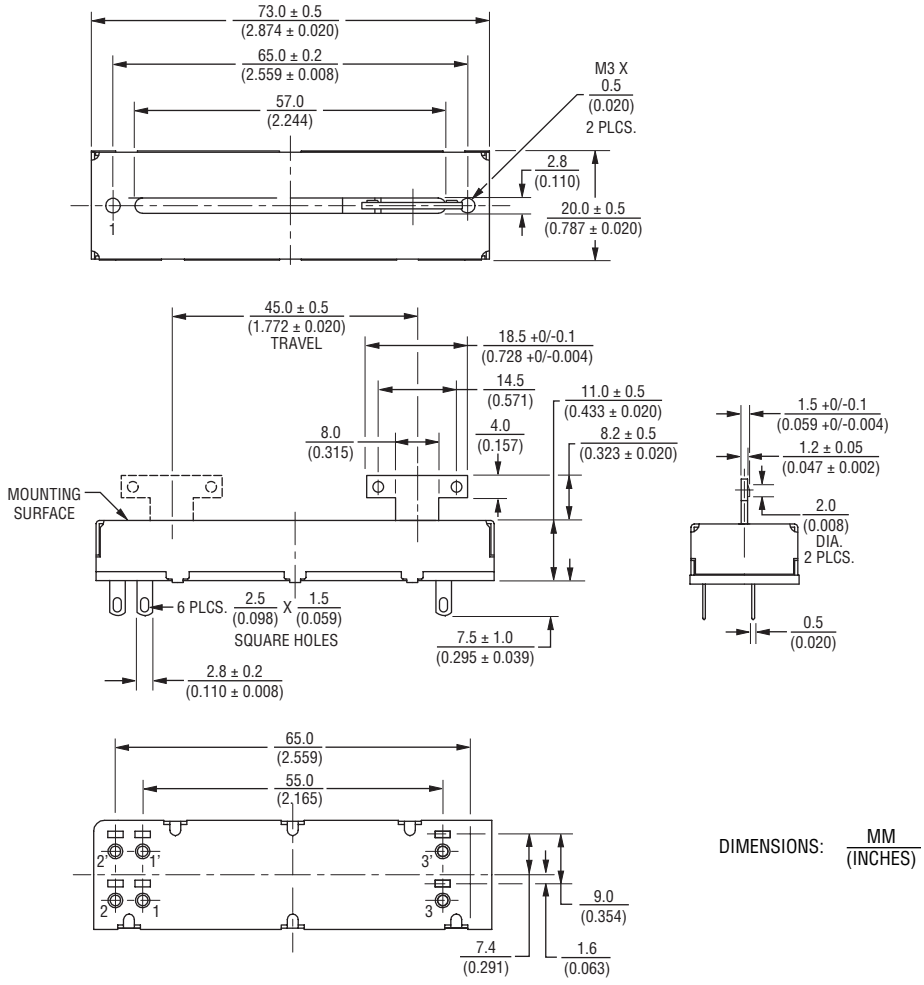
Mounting Hole Detail



DIMENSIONS: MM / (INCHES)

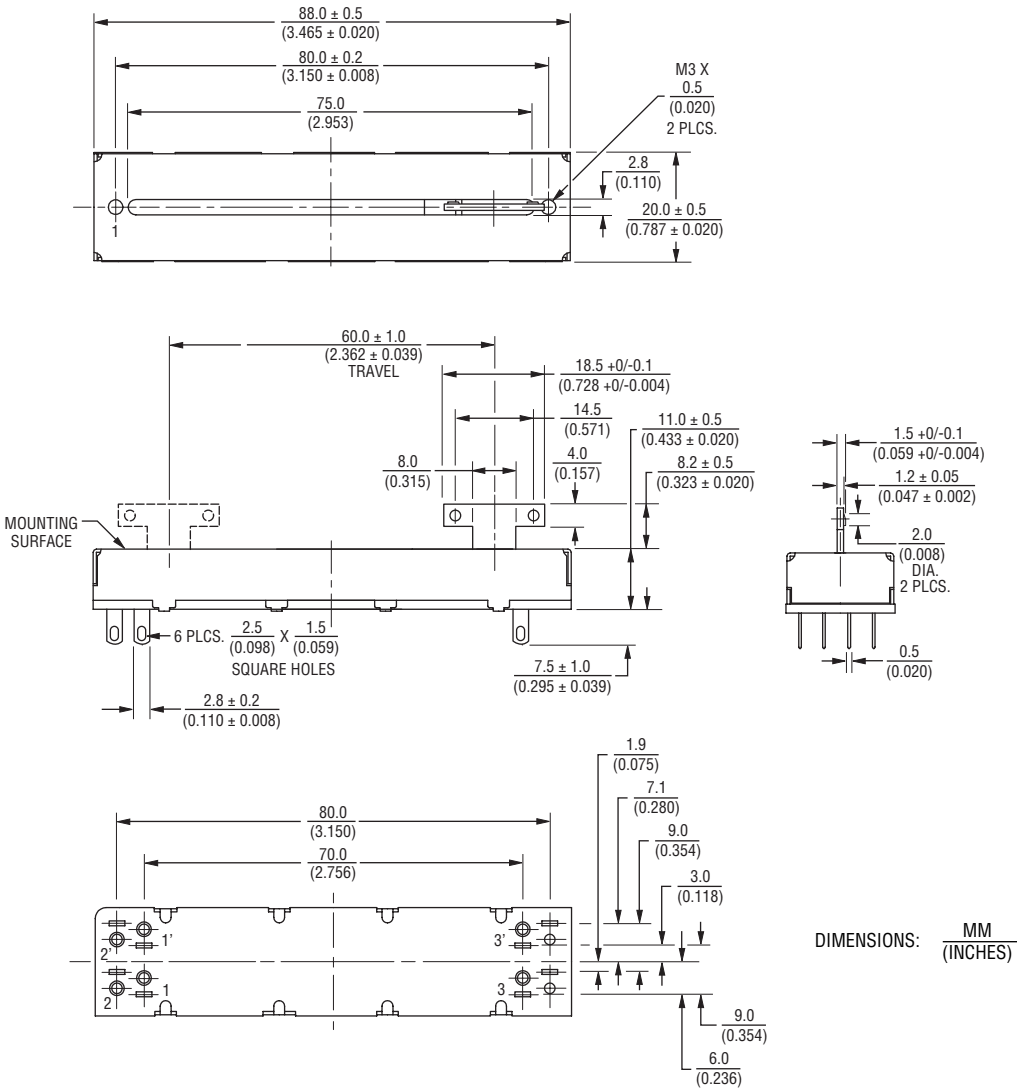
Product Dimensions

45 mm Length of Travel
Lever End Style "T"



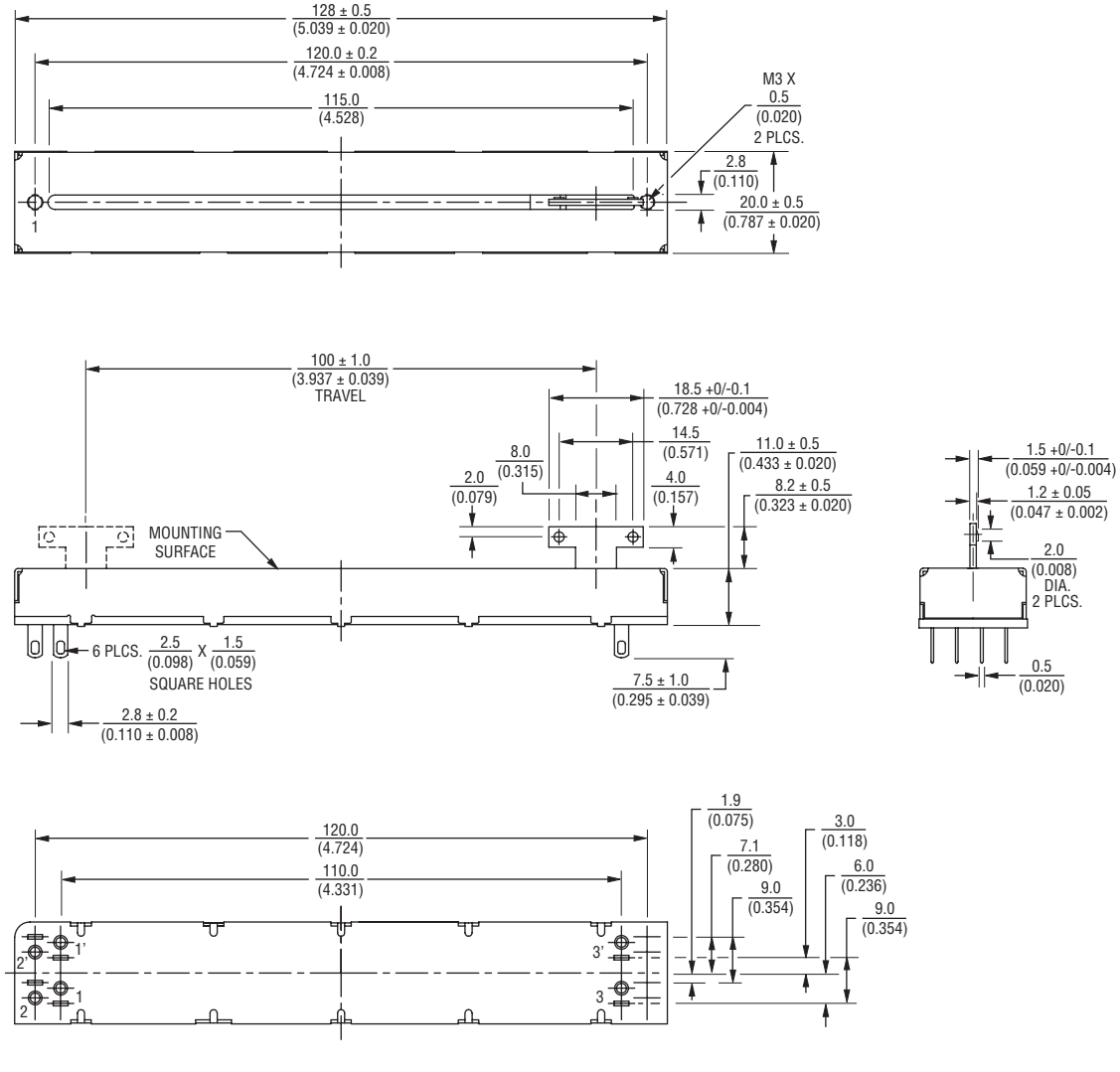
Product Dimensions

60 mm Length of Travel
Lever End Style "T"



Product Dimensions

100 mm Length of Travel
Lever End Style "T"



DIMENSIONS: MM (INCHES)

PTF Series Long Life Slide Potentiometer

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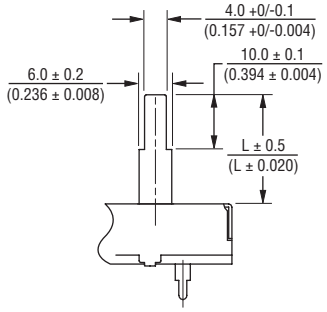
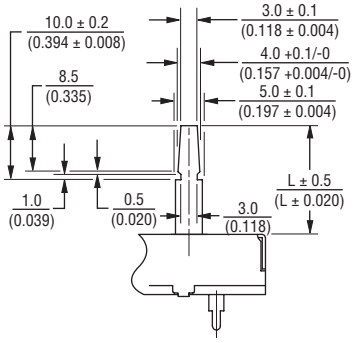
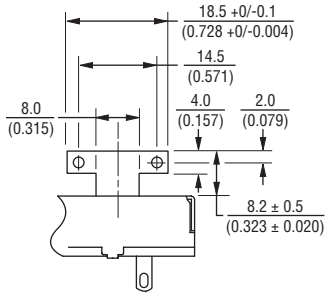
Lever End Styles



LEVER END STYLE "A"



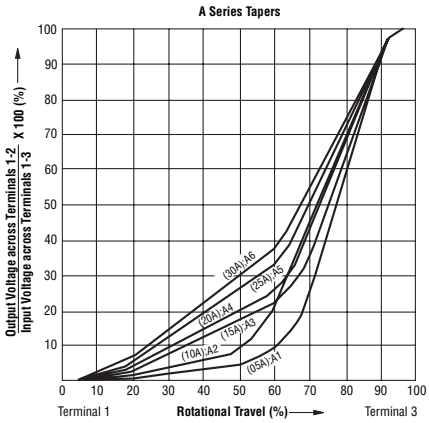
LEVER END STYLE "B"

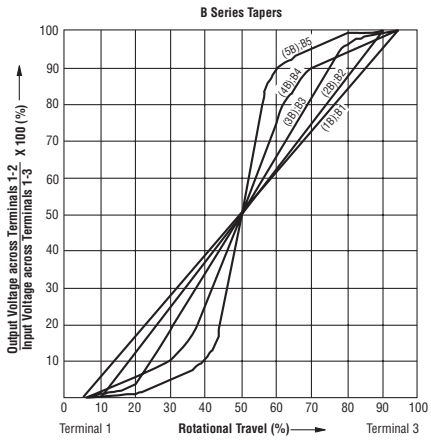


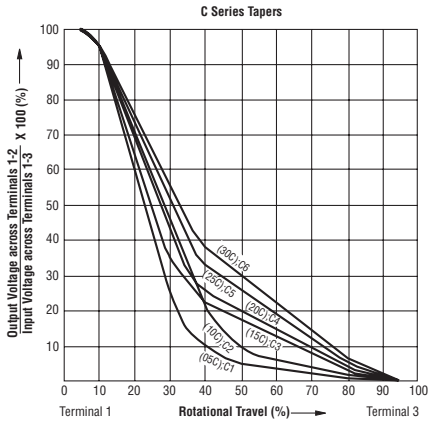
LEVER END STYLE "T"

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

PTF 45 - 15 2 A - 103 B2

Model Number Designator
- PTF = Long Life Slide Potentiometer

Length of Travel
- 45 = 45 mm
- 60 = 60 mm
- 01 = 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

REV. 11/10