

## Features

- Carbon element
- Assortment of resistance tapers
- 45 mm, 60 mm & 100 mm travel lengths
- Single and dual gang elements
- Long operational life
- Tracking error within  $\pm 2$  dB



## PTF Series Long Life Slide Potentiometer

### Electrical Characteristics

Standard Resistance Range	.....1K ohms to 1 megohm
Standard Resistance Tolerance	.... $\pm 20$ %
End Resistance	.....1 ohm max.
Insulation Resistance @ 500 VDC	.....100 megohms min.
Dielectric Withstanding Voltage	.....1000 VAC
Tracking Error	..... $\pm 2$ 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	..... $\pm 15$ %
Operating Temperature Range	..... $-10$ °C to $+55$ °C
Resistance to Solder Heat	..... $\pm 5$ %

### Mechanical Characteristics

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

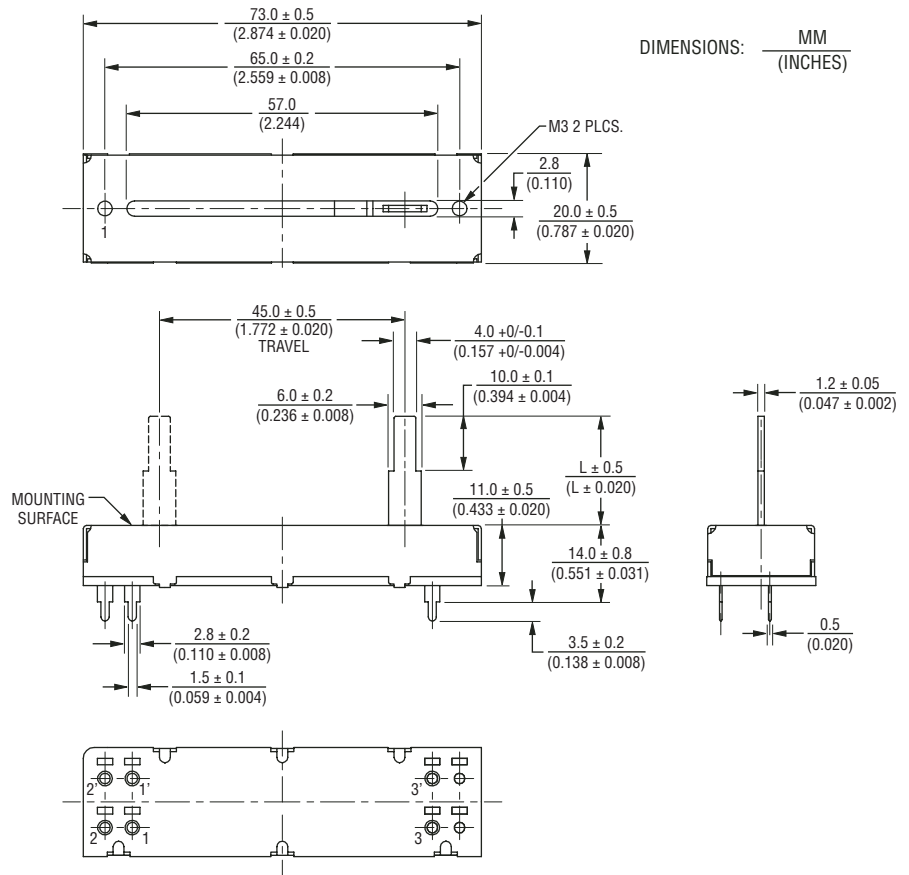
### How To Order

**PTF 45 - 15 2 A - 103 B2**

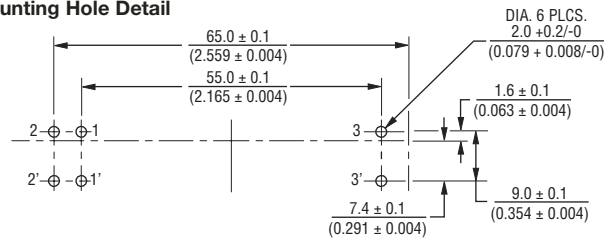
Model Number	PTF 45 - 15 2 A - 103 B2
Designator	PTF = Long Life Slide Potentiometer
Length of Travel	45 = 45 mm 60 = 60 mm 01 = 100 mm
Lever Length	15 = 15 mm 20 = 20 mm
No. of Gangs	1 = Single Gang 2 = Dual Gang
Lever End Style	A = Metal Lever (Refer to Drawing) B = Metal Lever (Refer to Drawing)
Resistance Code	(See Standard Resistance Table)
Resistance Taper	(See Taper Charts) Taper Series followed by Curve Number

### Product Dimensions

#### 45 mm Length of Travel Lever End Style "A"

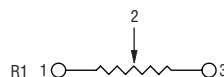


#### Mounting Hole Detail

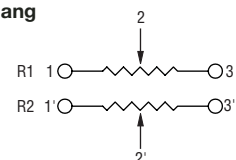


### Schematics

#### 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

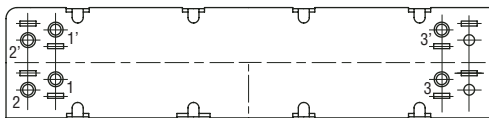
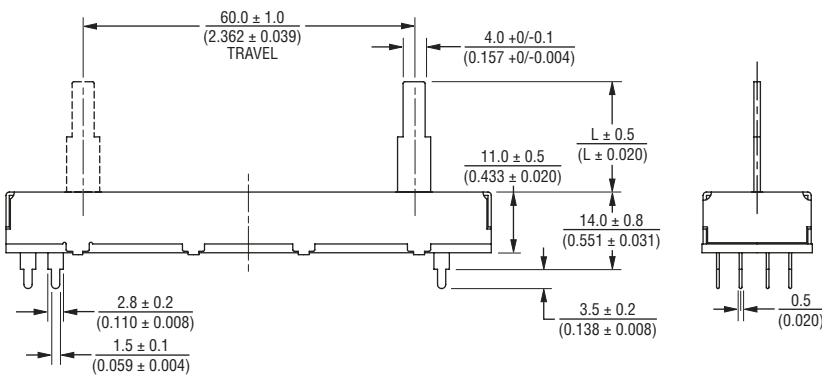
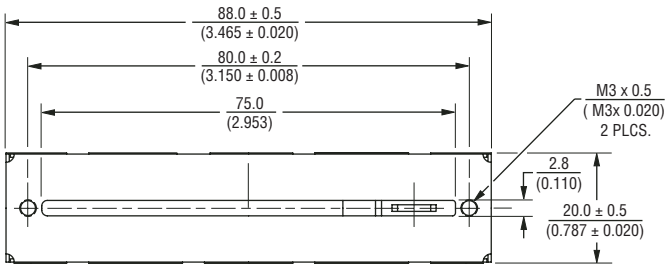
- Mixing consoles
- Drum machines
- Keyboards and synthesizers
- Equalizers

## PTF Series Long Life Slide Potentiometer



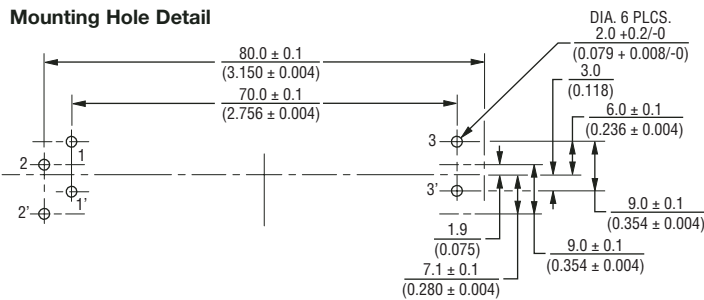
### Product Dimensions

60 mm Length of Travel  
Lever End Style "A"

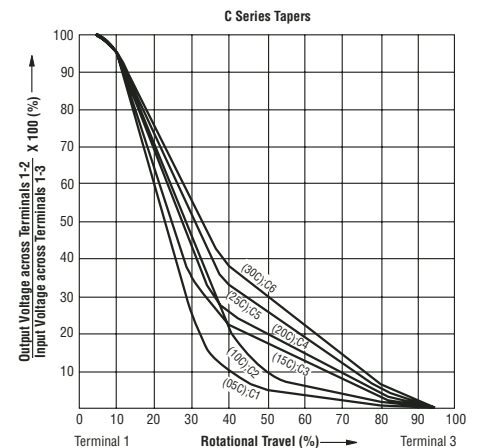
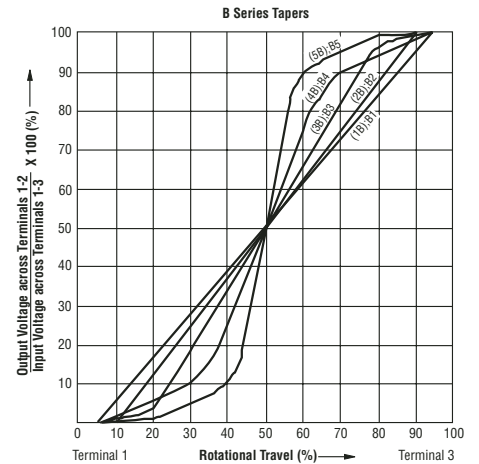
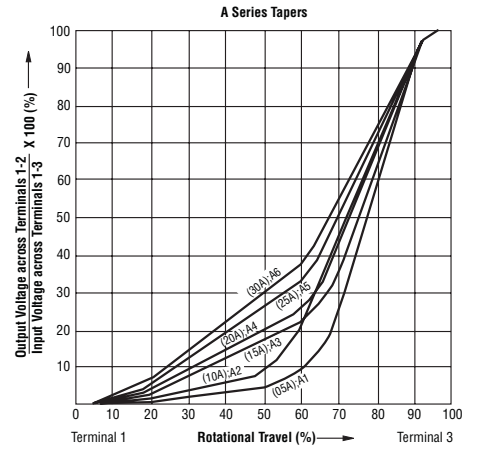


DIMENSIONS: MM (INCHES)

### Mounting Hole Detail



### Tapers



Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications.

