

### Features

- High grade, long life
- Single and dual gang
- Assortment of resistance tapers
- Tracking error within ±3 dB
- 45, 60 and 100 mm sizes
- Wide operating temperature range
- T-bar lever option

# PTS Series High Grade Slide Potentiometer

#### **Electrical Characteristics**

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Standard	Resistance	Range

1K ohms to 1 megohm
Standard Resistance Tolerance ±20 %
End Resistance1 ohm max.
Insulation Resistance @ 500 VDC
Dielectric Withstanding Voltage
Tracking Error ±3 dB
Standard Taper Linear, Audio
Power Rating
Linear0.5 watt
Audio0.25 watt
Slider Noise60 mV max.

#### **Environmental Characteristics**

Operational Life10	0,000 cycles
TR Shift	±15 %
Operating Temperature Ran	ige
10	°C to +55 °C
Resistance to Solder Heat	±5 %

#### **Mechanical Characteristics**

Mechanical Travel	Length ±0.5 mm
Operating Force	60 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	
Manual300	°C ±5 °C for 3 sec.
Wave260	°C ±5 °C for 5 sec.
Wash	Not recommended

Product Dimensions	
45 mm Length of Travel Lever End Syle "A"	DIMENSIONS: MM (INCHES)
$\begin{array}{c c} & & & & & & \\ \hline & & & & & \\ \hline & & & & &$	Lever Length
M3 2 PLCS. $45.0 \pm 0.5$ $(1.772 \pm .020)$ $ $	(.591) 20.0 (.787)
$(1.772 \pm .020) \qquad \qquad$	►     <u>1.2 ± .05</u> (.047 ± .002)
HOLES $2$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$	(.024) ± 0.2 ± 0.2

#### 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			

# WARNING Cancer and Reproductive Harm - <u>www.P65Warnings.ca.gov</u>

\*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

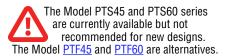
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Users should verify actual device performance in their specific applications.

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P	<b>FS 4</b>	5 - (	2	Ļ -	10	03 E	32
Model Number Designator PTS = High Grade S Potentiomet							
Length of Travel 45 = 45 mm 60 = 60 mm 01 = 100 mm		1					
Lever End Style/Lengt 0 = Lever End Style 1 = Lever End Style 2 = Lever End Style	"A" / "T" / a	15 mi 8.2 m 20 mi	m m m m				
No. of Gangs 1 = Single Gang 2 = Dual Gang							
Mounting Type L = Solder Lugs P = PC Pins							
Resistance Code (See Standard Resista	ance	(Table	)				
Resistance Taper (See Taper Series follow					ber		1



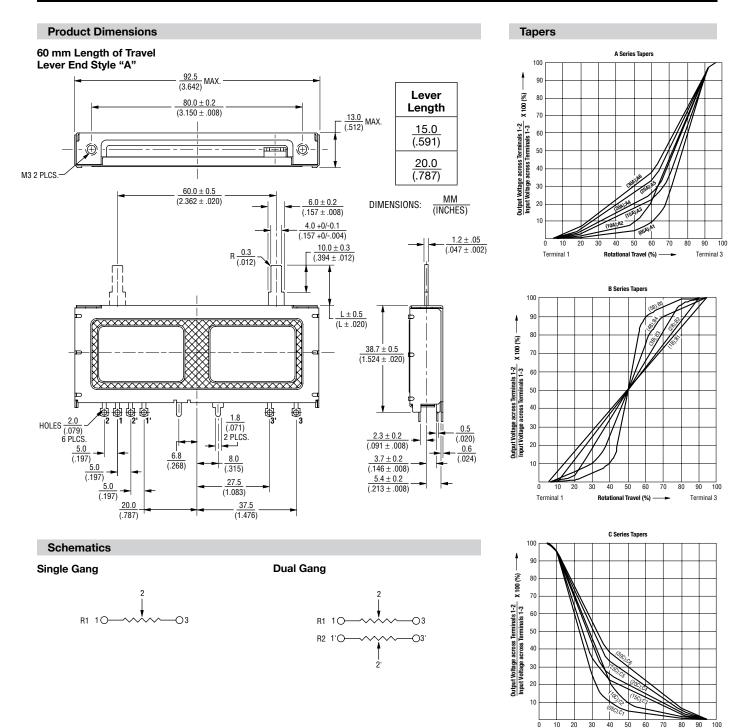


### **Applications**

- Professional mixing consoles
- Professional outboard gear

# PTS Series High Grade Slide Potentiometer

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Terminal 1

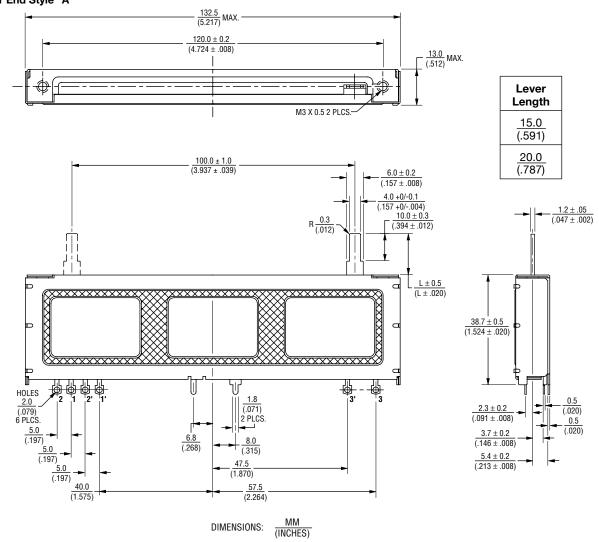
Rotational Travel (%)

Terminal 3

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#### **Product Dimensions**

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



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#### **Product Dimensions**

45 mm Length of Travel Lever End Style "T"



45.0 ± 0.5 (1.772 ± .020) 18.5 +0/-0.1 (.728 +0/-.004)  $\frac{1.5 \pm .05}{(.059 \pm .002)}$ 2.0 14.5 (.079) (.571)  $\frac{1.2 \pm .05}{(.047 \pm .002)}$ 4.0 8.0 (.315)  $\frac{8.2 \pm 0.5}{(.323 \pm .020)}$ t ╈ \_2 5 | ⊕ 2.0 Ī. (.079) DIA. 2 PLCS. Ь a  $\frac{38.7 \pm 0.5}{(1.524 \pm .020)}$ P 3' HOLES <u>2.0</u> (.079) 6 PLCS. Մ ø ø n <u>1.8</u> (.071) 0.5  $2.3\pm0.2$ (.020) 2 PLCS (.091 ± .008) 0.6 <u>5.0</u> (.197)  $3.7\pm0.2$ (.024) 6.8 8.0  $\frac{0.7 \pm 0.2}{(.146 \pm .008)}$   $\frac{5.4 \pm 0.2}{(.146 \pm .008)}$ <u>5.0</u> (.197) (.268) (.315) <u>20.0</u> (.787) (.213 ± .008) <u>5.0</u> (.197) 12.5 <u>30.0</u> (1.181) (.492)

DIMENSIONS: MM (INCHES)

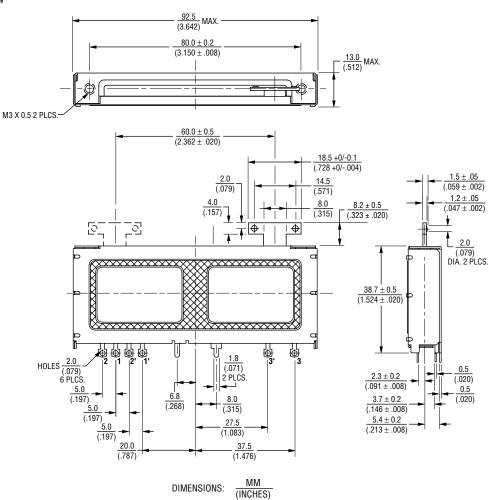
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#### **Product Dimensions**

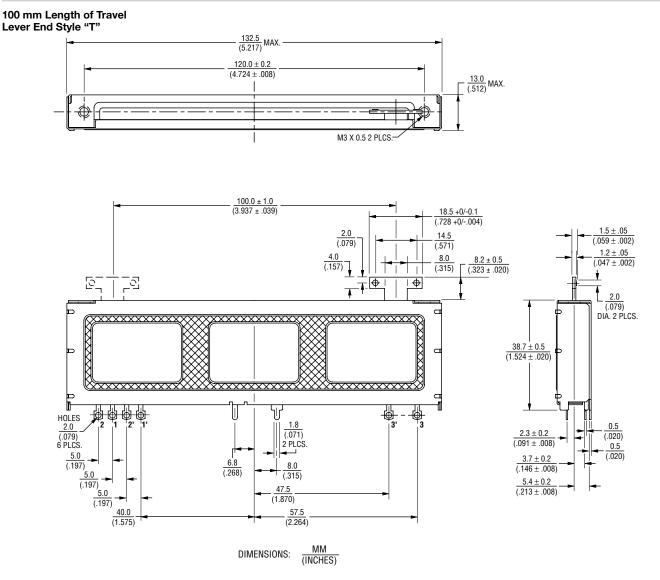


60 mm Length of Travel Lever End Style "T"

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#### **Product Dimensions**



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