



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



The Model PTS45 and PTS60 series are currently available but not recommended for new designs. The Model [PTF45](#) and [PTF60](#) are alternatives.



PTS Series High Grade 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 ± 3 dB
 Standard Taper Linear, Audio
 Power Rating
 Linear 0.5 watt
 Audio 0.25 watt
 Slider Noise 60 mV max.

Environmental Characteristics

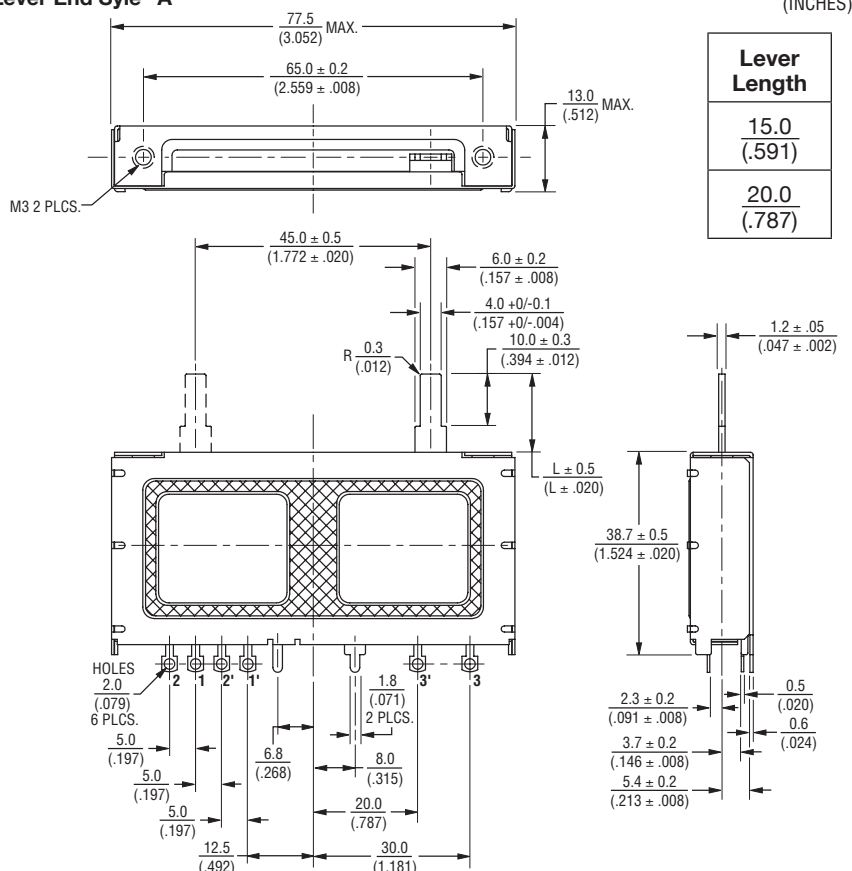
Operational Life 100,000 cycles
 TR Shift ± 15 %
 Operating Temperature Range -10°C to $+55^{\circ}\text{C}$
 Resistance to Solder Heat..... ± 5 %

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.. $2(2 \times L/25)$ mm p-p max.
 Soldering Condition
 Manual $300^{\circ}\text{C} \pm 5^{\circ}\text{C}$ for 3 sec.
 Wave $260^{\circ}\text{C} \pm 5^{\circ}\text{C}$ for 5 sec.
 Wash Not recommended

Product Dimensions

45 mm Length of Travel Lever End Style "A"



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

PTS 45 - 0 2 L - 103 B2

Model Number
 Designator
 PTS = High Grade Slide Potentiometer

Length of Travel
 45 = 45 mm
 60 = 60 mm
 01 = 100 mm

Lever End Style/Length
 0 = Lever End Style "A" / 15 mm
 1 = Lever End Style "T" / 8.2 mm
 2 = Lever End Style "A" / 20 mm

No. of Gangs
 1 = Single Gang
 2 = Dual Gang

Mounting Type
 L = Solder Lugs
 P = PC Pins

Resistance Code
 (See Standard Resistance Table)

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

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
 Specifications are subject to change without notice.
 The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
 Users should verify actual device performance in their specific applications.

Applications

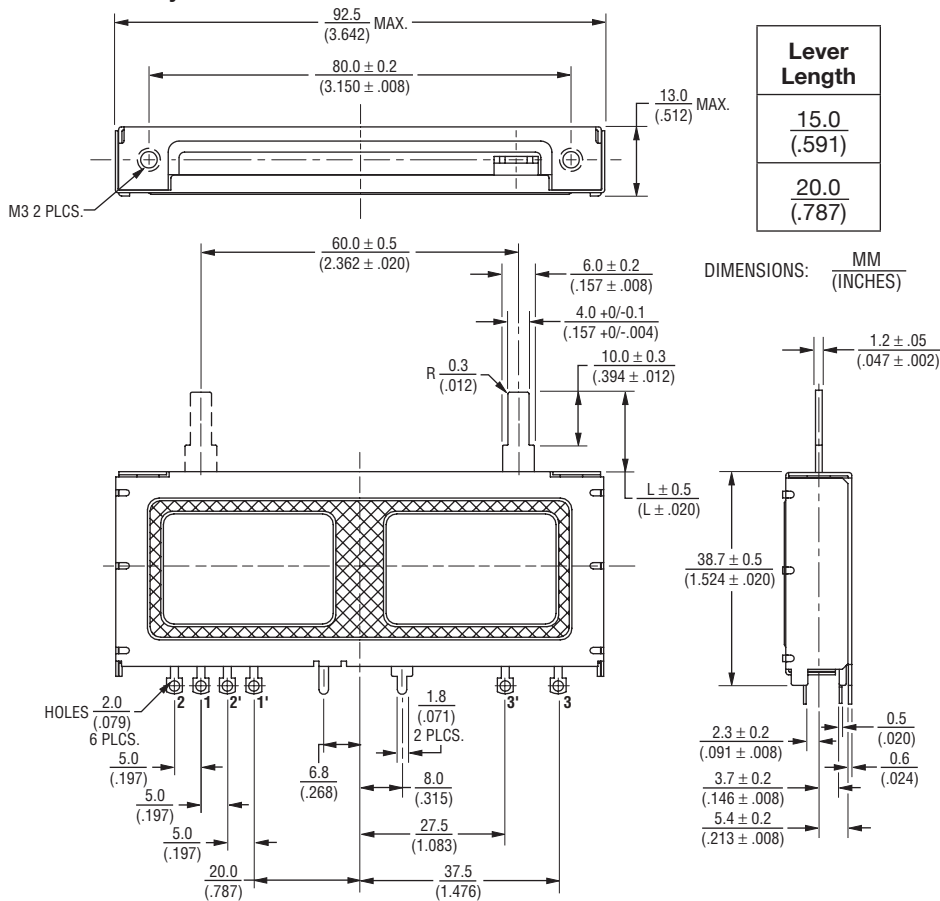
- Professional mixing consoles
- Professional outboard gear

PTS Series High Grade Slide Potentiometer

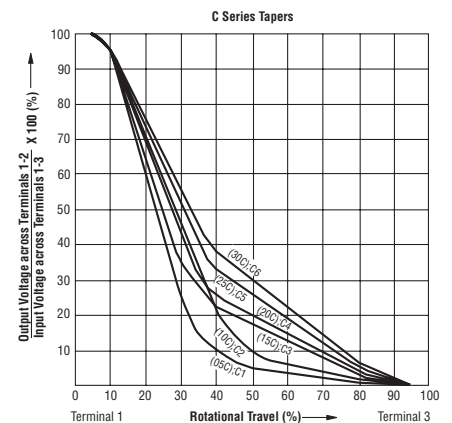
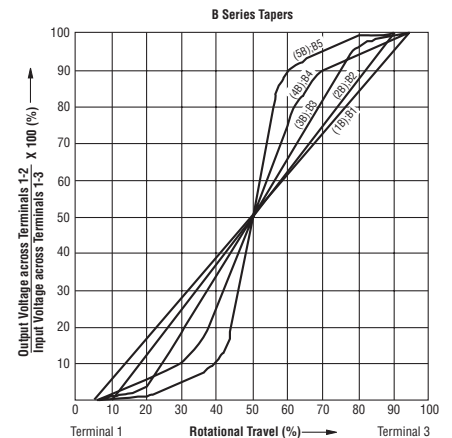
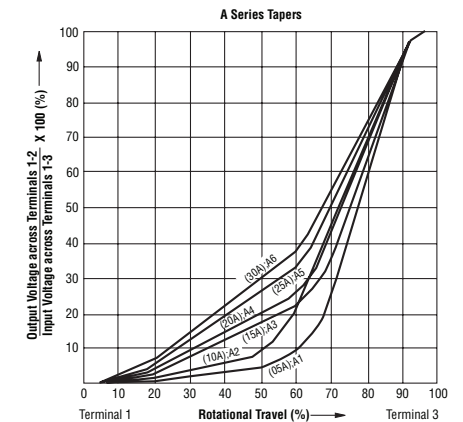
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Product Dimensions

60 mm Length of Travel
Lever End Style "A"

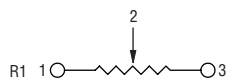


Tapers

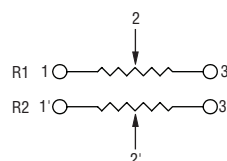


Schematics

Single Gang



Dual Gang



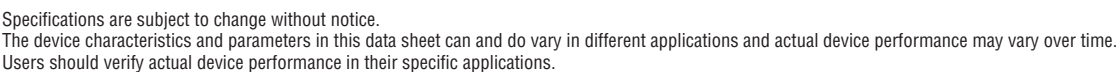
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100 mm Length of Travel Lever End Style "A"

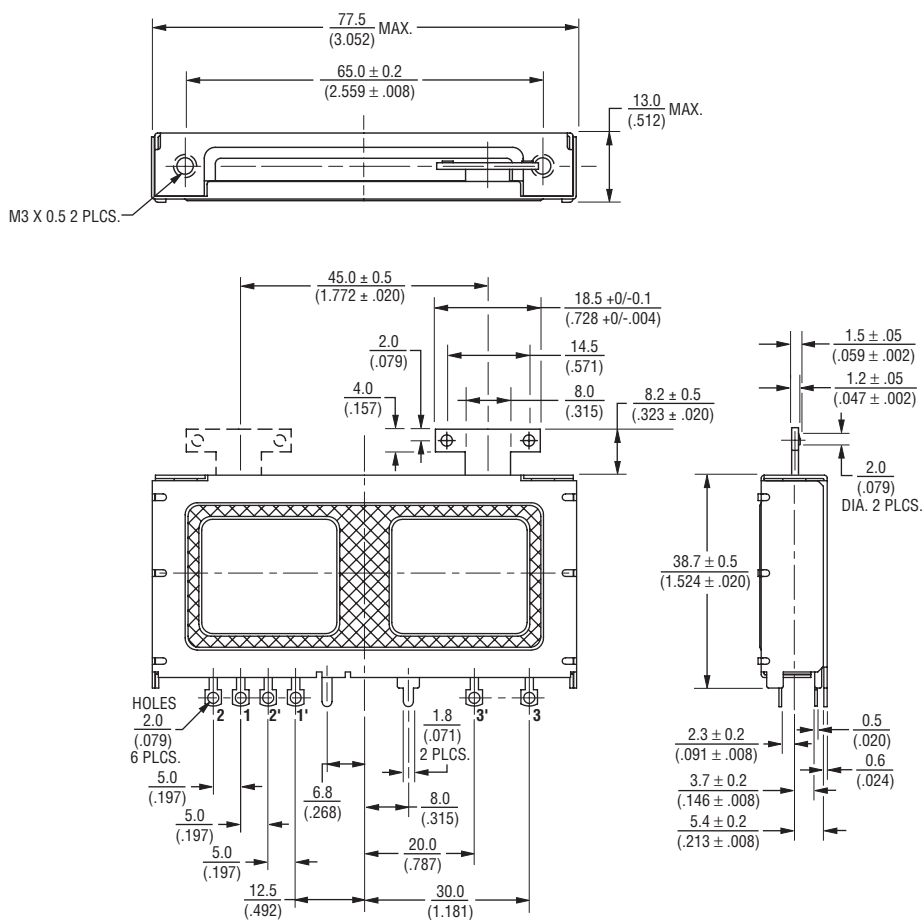


PTS Series High Grade Slide Potentiometer

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Product Dimensions

45 mm Length of Travel
Lever End Style "T"



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

Specifications are subject to change without notice.

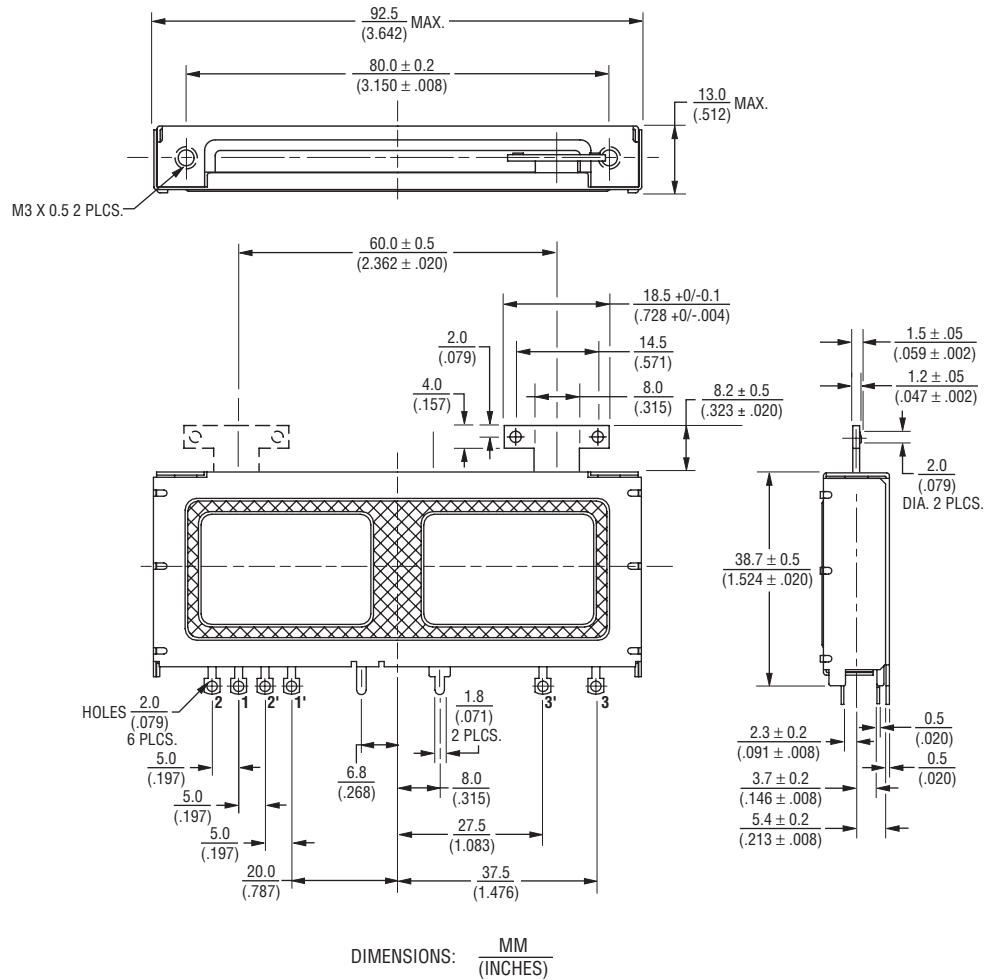
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PTS Series High Grade Slide Potentiometer

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Product Dimensions

60 mm Length of Travel
Lever End Style "T"



Specifications are subject to change without notice.

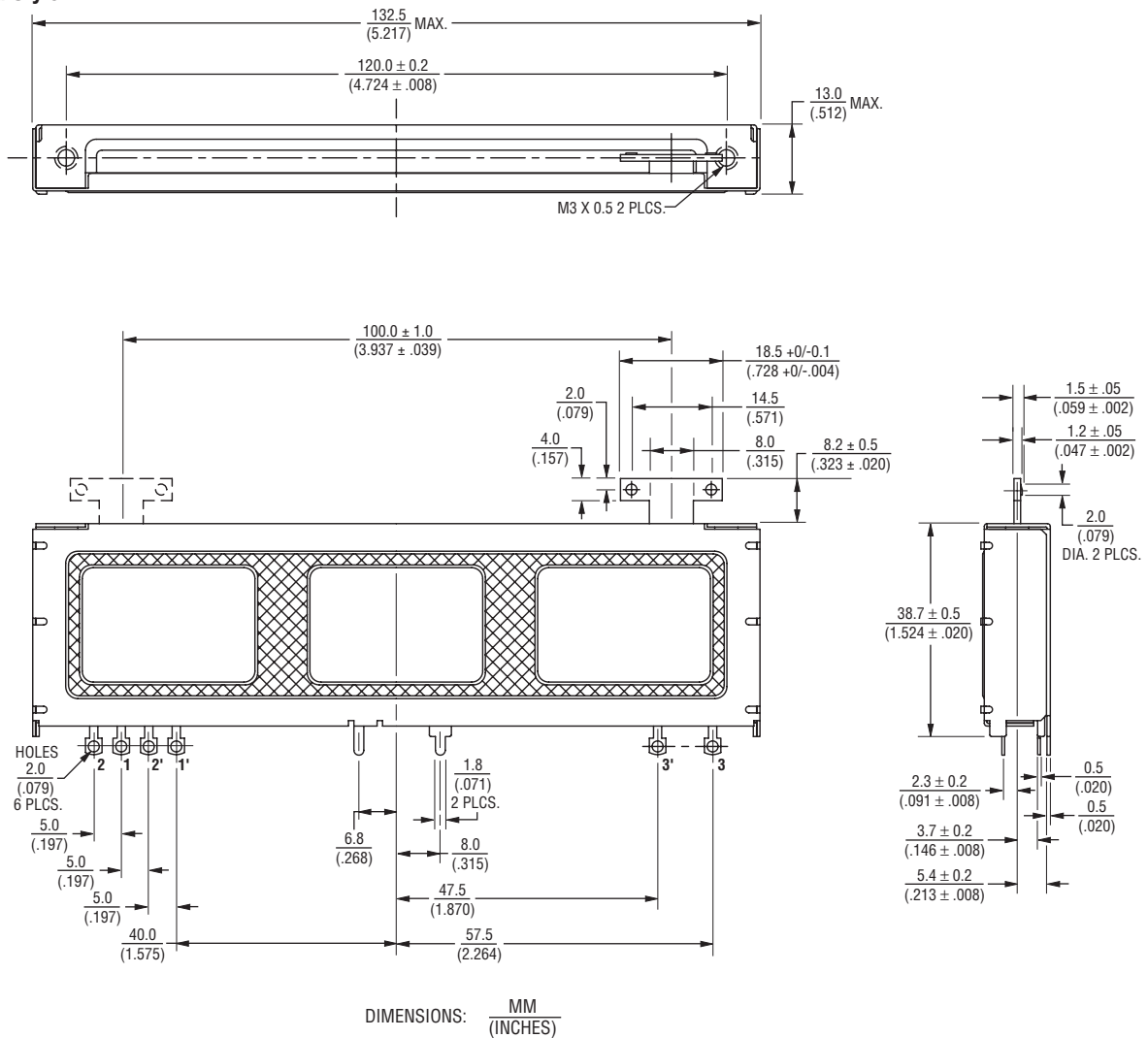
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PTS Series High Grade Slide Potentiometer

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Product Dimensions

100 mm Length of Travel
Lever End Style "T"



REV. 02/18

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Mouser Electronics

Authorized Distributor

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Bourns:

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