

*RoHS COMPLIANT



BOURNS®

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

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

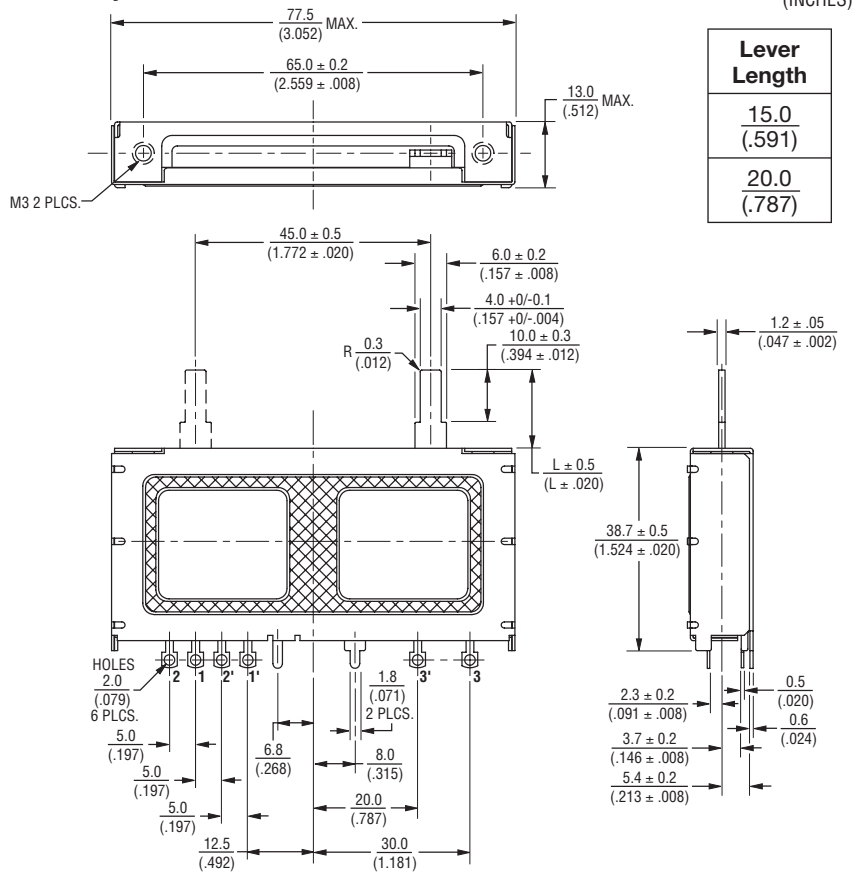
Operational Life 100,000 cycles
TR Shift ± 15 %
Operating Temperature Range
..... -10 °C to $+55$ °C
Resistance to Solder Heat..... ± 5 %

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 °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"



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

Applications

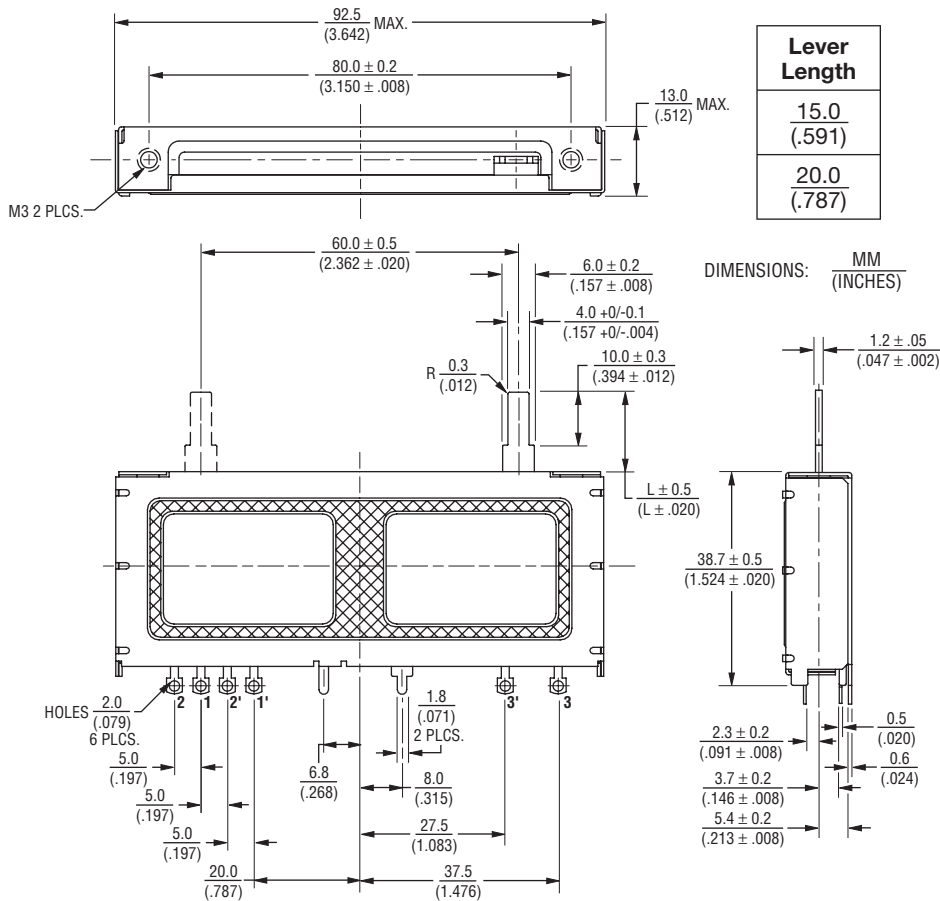
- Professional mixing consoles
- Professional outboard gear

PTS Series High Grade Slide Potentiometer

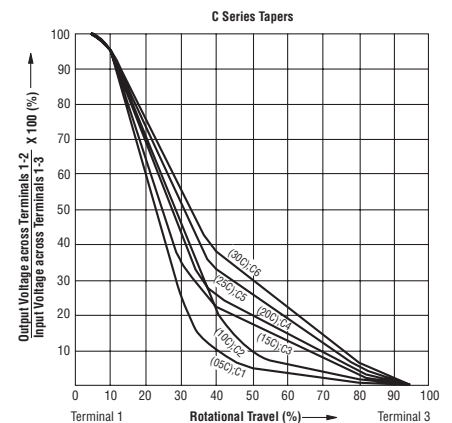
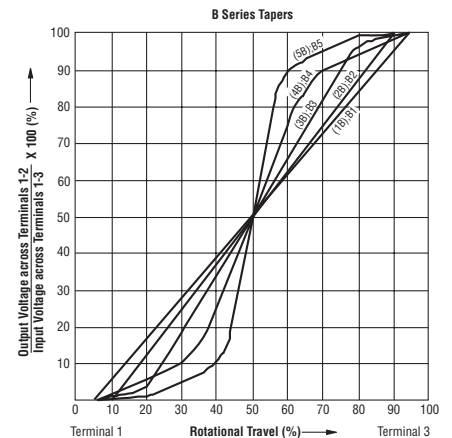
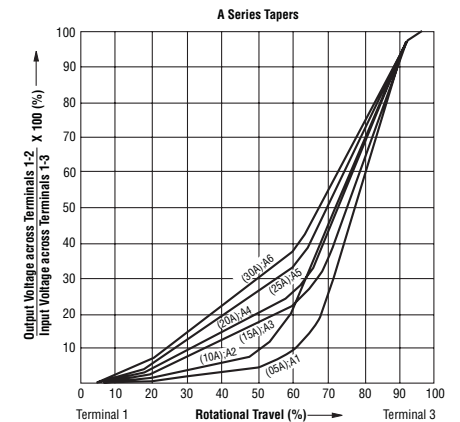
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Product Dimensions

60 mm Length of Travel
Lever End Style "A"

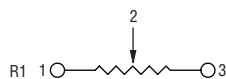


Tapers

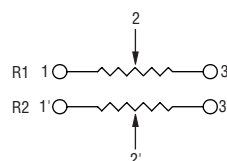


Schematics

Single Gang



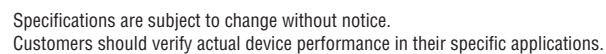
Dual Gang



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100 mm Length of Travel Lever End Style "A"

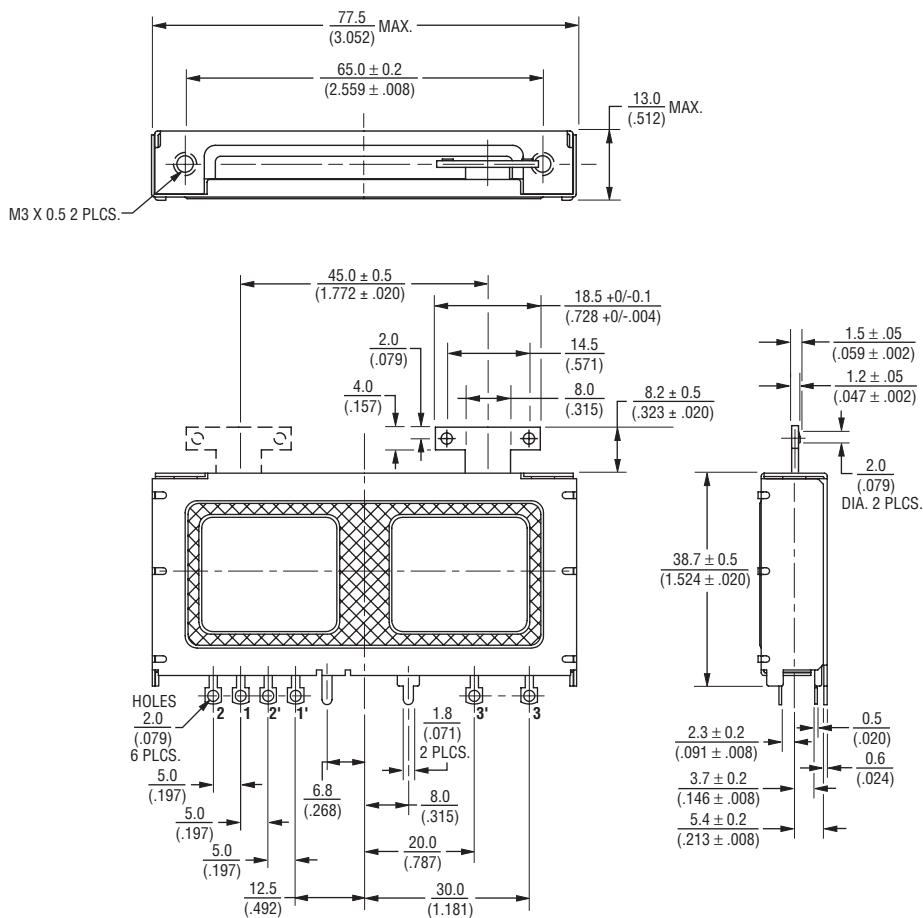


PTS Series High Grade Slide Potentiometer

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Product Dimensions

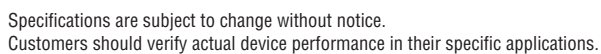
45 mm Length of Travel
Lever End Style "T"



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

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60 mm Length of Travel Lever End Style "T"

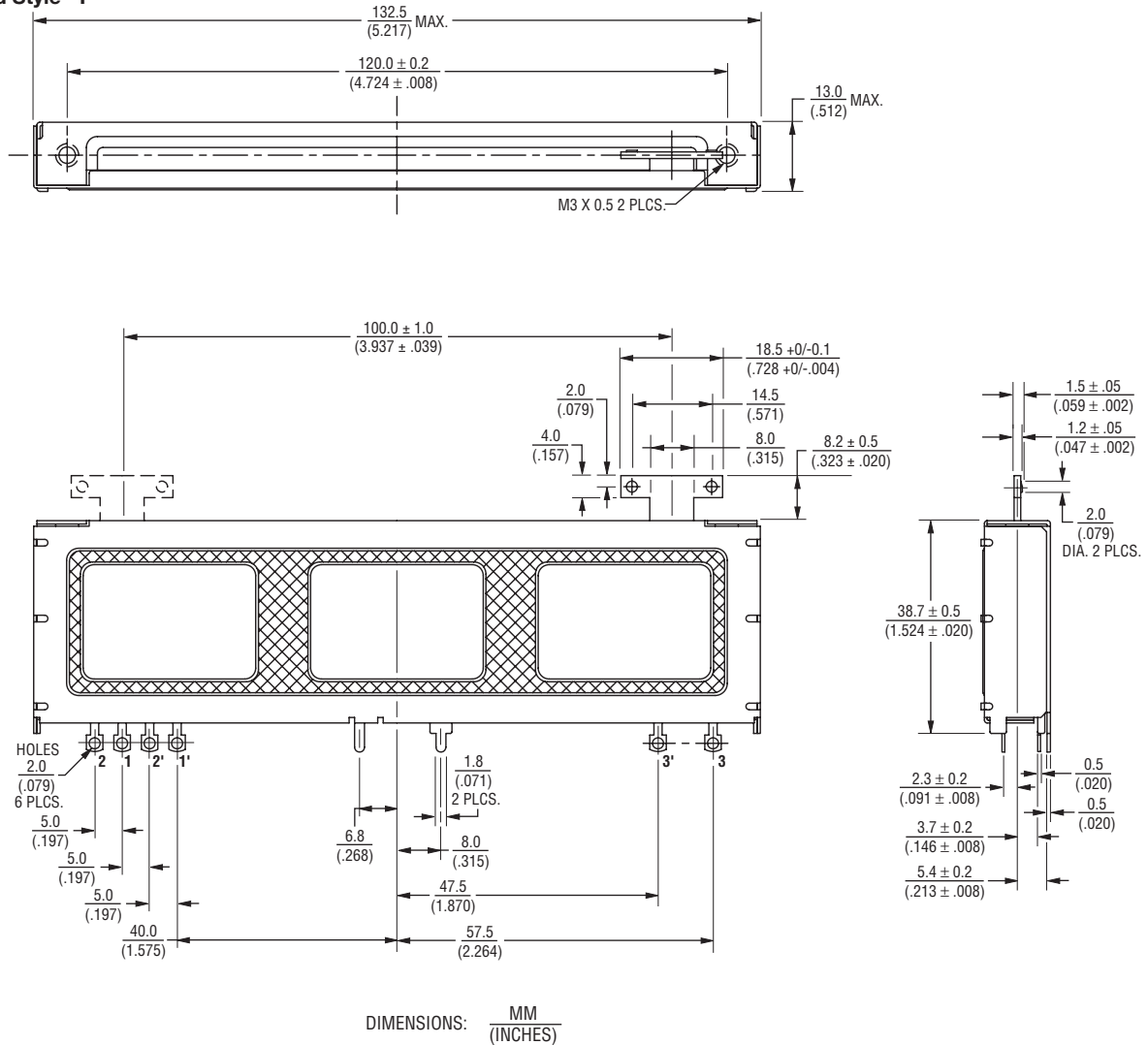


PTS Series High Grade Slide Potentiometer

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Product Dimensions

100 mm Length of Travel
Lever End Style "T"



REV. 02/10

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Mouser Electronics

Authorized Distributor

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Bourns:

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