Features

- Long life element
- Assortment of resistance tapers
- 100 and 60 mm travel lengths
- Touch sense lever
- Snap-in connector
- Single and dual track configurations

PSL Series Motorized Master Slide Potentiometer

**Electrical Characteristics**

- Standard Resistance Range: 10K ohms to 100K ohms
- Standard Resistance Tolerance: ±20 %
- End Resistance: 1 ohm max.
- Insulation Resistance @ 500 VDC: 100 megohms min.
- Dielectric Withstanding Voltage: 1000 VAC
- Standard Taper: Linear, Audio
- Power Rating - Linear: 0.5 watt
- Power Rating - Audio: 0.25 watt
- Slider Noise: 60 mV max.
- Touch Sense Track
- Conductive Resistance: 10 ohms max.
- Snap-in Connector: (Mating Connector CH203)

**Environmental Characteristics**

- Operational Life: 500,000 cycles
- TR Shift: ±15 %
- Operating Temperature Range: -10 °C to +70 °C
- Moisture Sensitivity Level: 1
- ESD Classification (HBM): N/A

**Mechanical Characteristics**

- Mechanical Travel
  - PSL01: 100 mm ± 1 mm
  - PSL60: 60 mm ± 1 mm
- Operating Force: 50 gf
- Stop Strength: 5 kgf

**Motor Drive Characteristics**

- Rated Voltage: 5 VDC
- Operating Voltage Supply: 3 to 7 VDC
- Maximum Current: 600 mA max.
- Lever Speed @ 10 VDC: 20 mm/0.1 sec.

**Standard Resistance Table**

<table>
<thead>
<tr>
<th>Resistance (Ohms)</th>
<th>Resistance Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>10,000</td>
<td>103</td>
</tr>
<tr>
<td>20,000</td>
<td>203</td>
</tr>
<tr>
<td>50,000</td>
<td>503</td>
</tr>
<tr>
<td>100,000</td>
<td>104</td>
</tr>
</tbody>
</table>

**Specifications**

- Users should verify actual device performance in their specific applications.
- The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

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**WARNING**

Cancer and Reproductive Harm
www.P65Warnings.ca.gov

Specifications are subject to change without notice.
www.bourns.com/docs/ps6Warnings.ca.gov
Applications
- Audio mixing consoles
- Broadcast mixing consoles
- Light mixing consoles

PSL Series Motorized Master Slide Potentiometer

Product Dimensions (Continued)

Common Dimensions

How To Order
PSL 01 - 1 08 2 A - 103 B2

Model Number
PSL = Motorized Master Slide Pot.

Length of Travel
01 = 100 mm
60 = 60 mm

Configuration
1 = Single Track
2 = Dual Track
3 = Line & Servo Track

Lever Length
08 = 8.2 mm

Terminal Type
2 = Snap-in Connector

Lever End Style
A = Metal Lever (Refer to Drawing)

Resistance Code
(See Standard Resistance Table)

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

Schematics

Motor

R1 Track

R2 or Servo Track

Touch Sense Track

Connector Dimensions

Configuration 1

Configuration 2 & 3

Motor

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