**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

**Electrical Characteristics**

- **Standard Resistance Range**
  - 10K ohms to 100K ohms
- **Standard Resistance Tolerance**... ±20 %
- **End Resistance** ............... 1 ohm max.
- **Insulation Resistance @ 500 VDC**
  - 100 meghohms 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**

**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>

**Product Dimensions**

**PSL01**

**See Connector and common dimension details on page 2.**

**Dimensions:** MM (INCHES)

**PSL60**

**See Connector and common dimension details on page 2.**

**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
- Audio mixing consoles
- Broadcast mixing consoles
- Light mixing consoles

PSL Series Motorized Master Slide Potentiometer

Product Dimensions (Continued)

Common Dimensions

![Diagram of Common Dimensions]

How To Order

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Designator</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSL 01 - 1 08 2 A - 103 B2</td>
<td>PSL = Motorized Master Slide Pot.</td>
<td>Length of Travel: 01 = 100 mm, 60 = 60 mm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Configuration: 1 = Single Track, 2 = Dual Track, 3 = Line &amp; Servo Track</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lever Length: 08 = 8.2 mm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Terminal Type: 2 = Snap-in Connector</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lever End Style: A = Metal Lever (Refer to Drawing)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Resistance Code: (See Standard Resistance Table)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Resistance Taper: (See Taper Charts)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Taper Series followed by Curve Number</td>
</tr>
</tbody>
</table>

Schematics

Motor

![Diagram of Motor Schematic]

R1 Track

![Diagram of R1 Track Schematic]

Touch Sense Track

![Diagram of Touch Sense Track Schematic]

R2 or Servo Track

![Diagram of R2 or Servo Track Schematic]

Connector Dimensions

<table>
<thead>
<tr>
<th>Configuration 1</th>
<th>Configuration 2 &amp; 3</th>
<th>Motor</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Diagram of Configuration 1]</td>
<td>![Diagram of Configuration 2 &amp; 3]</td>
<td>![Diagram of Motor]</td>
</tr>
</tbody>
</table>

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