



Features

- Long life carbon element
- Assortment of resistance tapers
- 60 and 100 mm travel lengths
- Touch sense lever
- PC terminals or snap-in connector option



PSM Series Motorized Slide Potentiometer

Electrical Characteristics

| | |
|---------------------------------|---------------------------|
| Standard Resistance Range | 1K ohms to 1 megohm |
| Standard Resistance Tolerance | ... ±20 % |
| End Resistance | 20 ohms max. |
| Insulation Resistance @ 250 VDC | 100 megohms min. |
| Dielectric Withstanding Voltage | 250 VAC |
| Standard Taper | Linear, Audio |
| Power Rating - Linear | 0.5 watt |
| Power Rating - Audio | 0.25 watt |
| Slider Noise | 47 mV max. |
| Touch Sense Track | |
| Conductive Resistance | |
| Snap-in Connector | 2 ohms max. |
| PC Terminal | |
| TR > 30k ohms | ... 0.1 % of TR max. |
| TR ≤ 30k ohms | 30 ohms 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

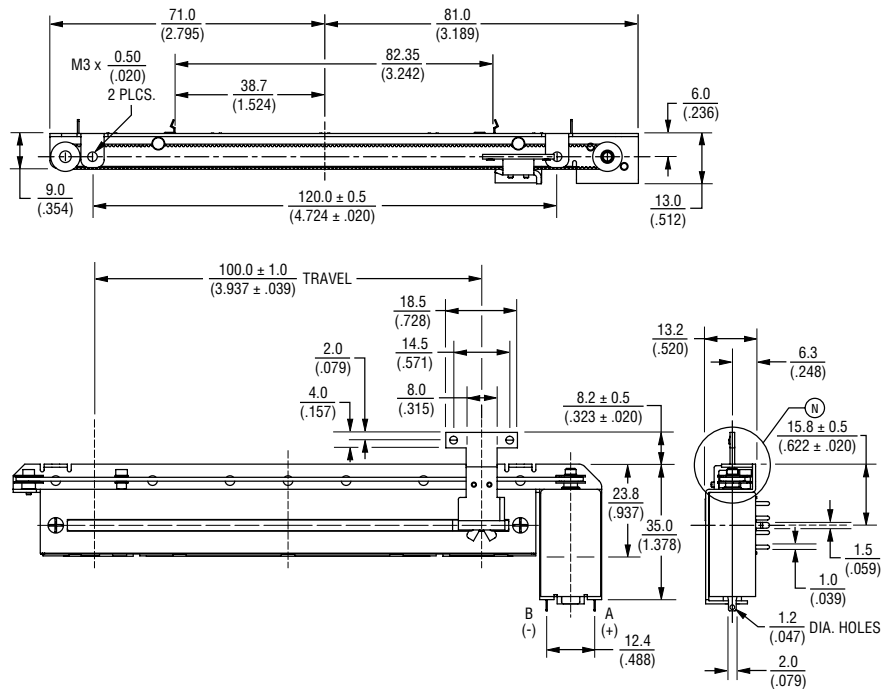
| | |
|---------------------|-------------------------------|
| Mechanical Travel | See Product Dimensions |
| Operating Force | |
| 100 mm Travel | 30-130 gf |
| 60 mm Travel | 10-110 gf |
| Stop Strength | 5 kgf min. |
| Shaft Wobble | |
| 100 mm Travel | 1.3 mm p-p max. |
| 60 mm Travel | 1.6 mm p-p max. |
| Soldering Condition | |
| Manual | 350 °C ±5 °C for 3 sec. |
| Wave | 260 °C ±5 °C for 5 sec. |
| Wash | Not recommended |

Motor Drive Characteristics

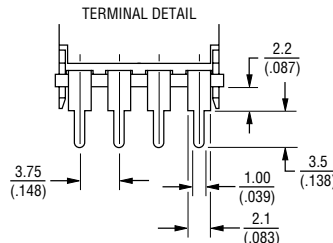
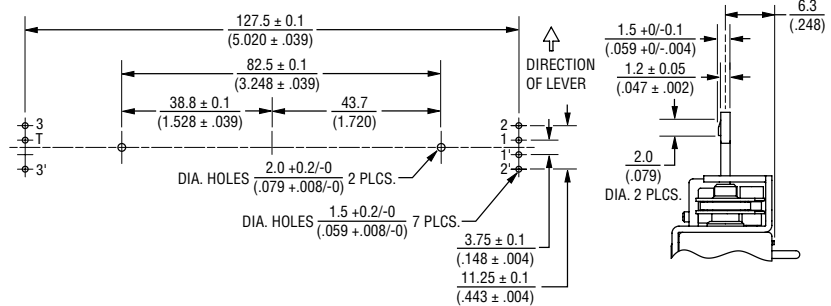
| | |
|--------------------------|----------------------|
| Rated Voltage | 10 VDC |
| Operating Voltage Supply | ... 6 to 11 VDC |
| Starting Current | 800 mA max. |
| Lever Speed @ 10 VDC | 20 mm/0.1 sec. |

Product Dimensions

PC Terminals - 100 mm Travel



Mounting Hole Detail



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

*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

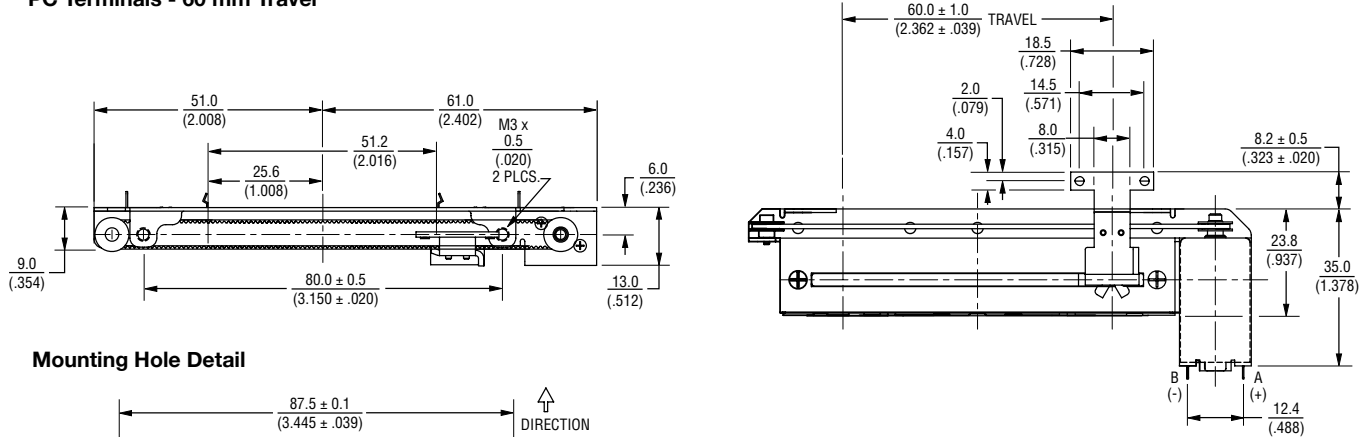
- Audio mixing consoles
- Broadcast mixing consoles

PSM Series Motorized Slide Potentiometer

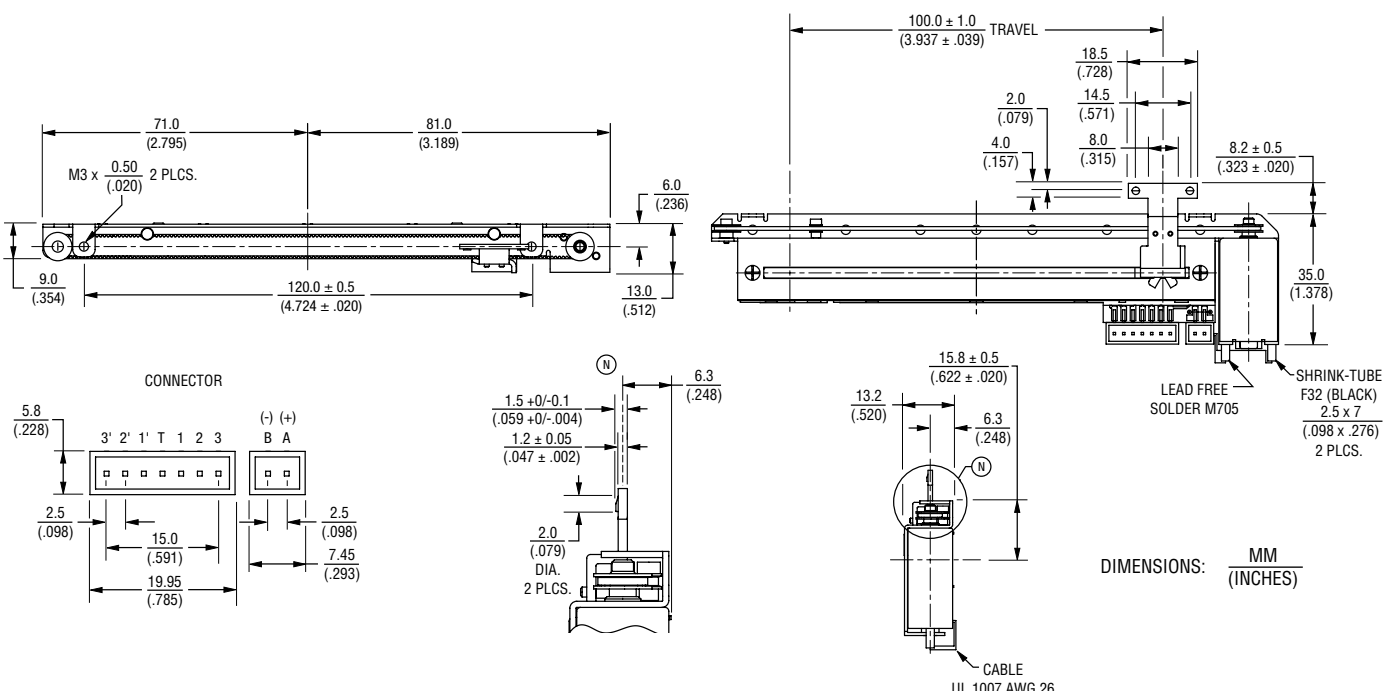
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Product Dimensions

PC Terminals - 60 mm Travel



Snap-in Connector - 100 mm Travel



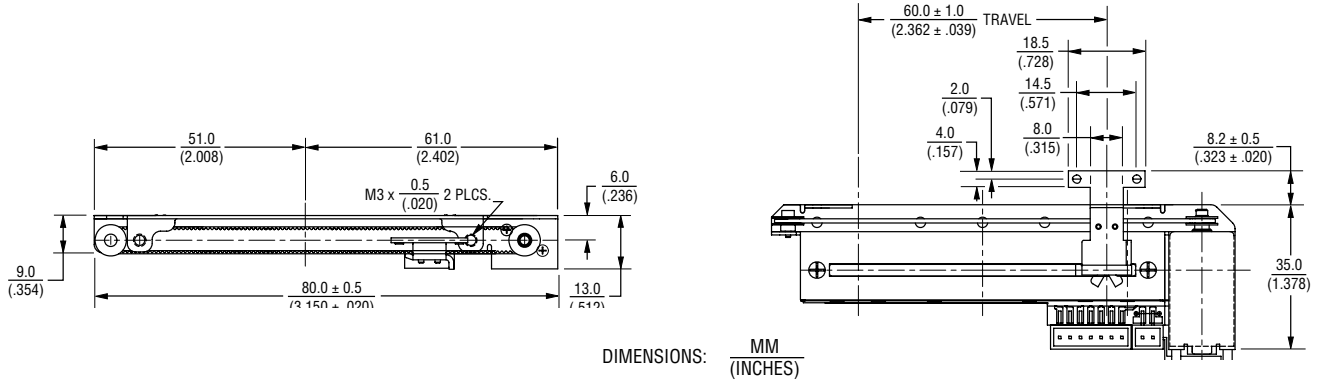
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PSM Series Motorized Slide Potentiometer

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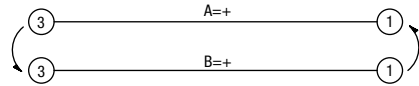
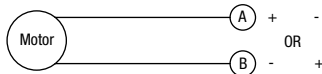
Product Dimensions

Snap-in Connector - 60 mm Travel



Schematics

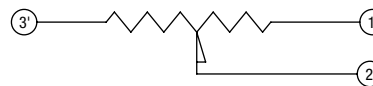
Motor



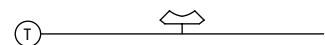
Line Track (R1)



Servo Track (R2)



Touch Sense Track



Standard Resistance Table

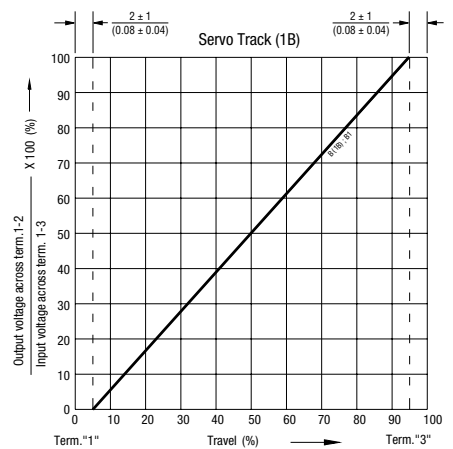
| Resistance (Ohms) | Resistance Code |
|-------------------|-----------------|
| 1,000 | 102 |
| 2,000 | 202 |
| 5,000 | 502 |
| 10,000 | 103 |
| 20,000 | 203 |
| 50,000 | 503 |
| 100,000 | 104 |
| 200,000 | 204 |
| 500,000 | 504 |
| 1,000,000 | 105 |

How To Order

PSM 01 - 08 2 A - 103 B2

Model Number _____
 Designator _____
 PSM = Motorized Slide Potentiometer
 Length of Travel _____
 01 = 100 mm
 60 = 60 mm
 Lever Length _____
 08 = 8.2 mm
 Terminal Type _____
 1 = PC Terminals
 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

Servo Track Output Chart



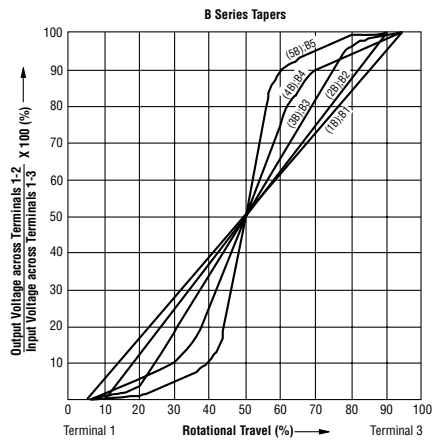
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PSM Series Motorized Slide Potentiometer

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Tapers



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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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