

### **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

Touch Sense Track

Conductive Resistance

Snap-in Connector...... 2 ohms max. PC Terminal

TR > 30k ohms...0.1 % of TR max.  $TR \le 30k$  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**

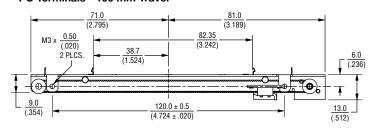
60 mm Travel....... 1.6 mm p-p max. Soldering Condition

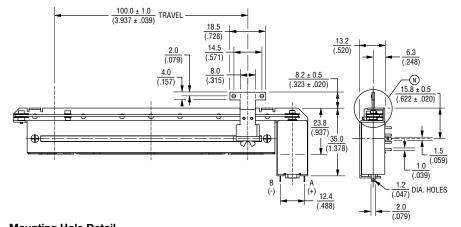
Manual .......350 °C ±5 °C for 3 sec. Wave ......260 °C ±5 °C for 5 sec. Wash ......Not recommended

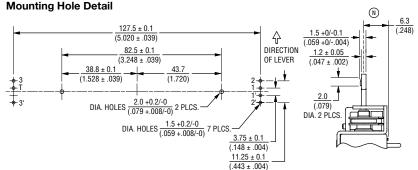
### **Motor Drive Characteristics**

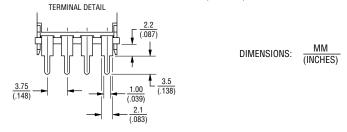
### **Product Dimensions**

### PC Terminals - 100 mm Travel









<sup>\*</sup>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.

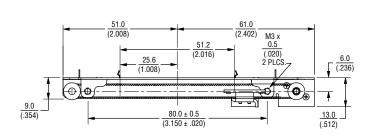
### **Applications**

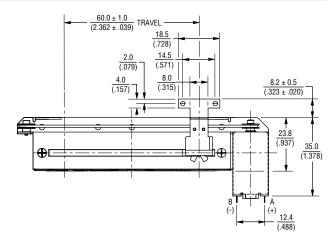
- Audio mixing consoles
- Broadcast mixing consoles

# **PSM Series Motorized Slide Potentiometer**

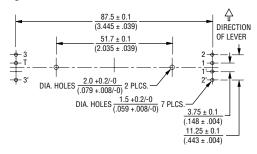
### **Product Dimensions**

### PC Terminals - 60 mm Travel

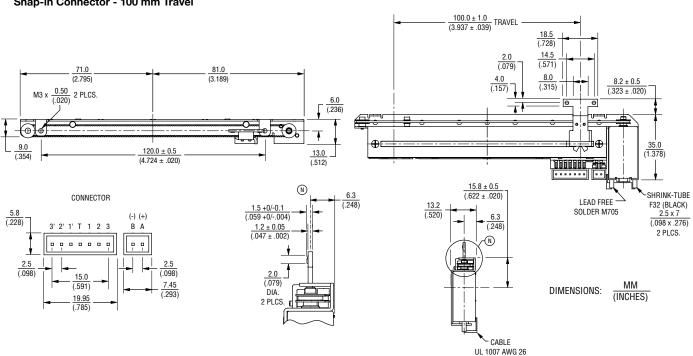




### **Mounting Hole Detail**



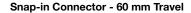


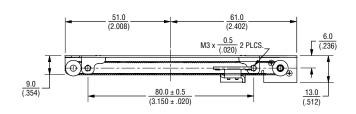


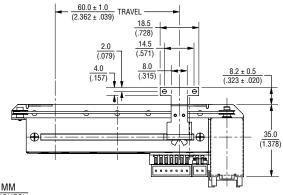
# **PSM Series Motorized Slide Potentiometer**

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### **Product Dimensions**



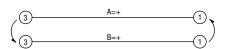




### **Schematics**

### Motor





### Line Track (R1)



### **Touch Sense Track**



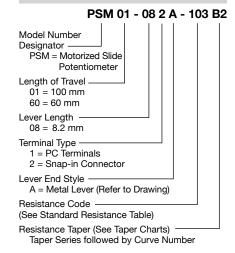
# Standard Resistance Table

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

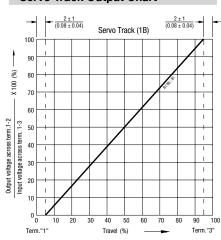
### Servo Track (R2)



### **How To Order**



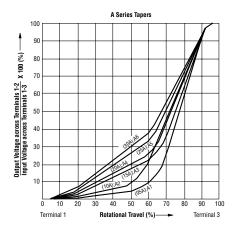
### **Servo Track Output Chart**

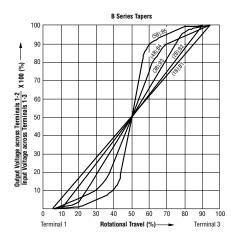


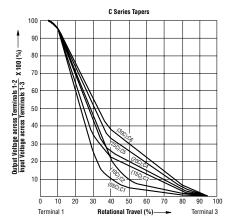
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### **Tapers**







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**Asia-Pacific:** Tel: +886-2 2562-4117 • Fax: +886-2 2562-4116

EMEA: Tel: +36 88 520 390 • Fax: +36 88 520 211

The Americas: Tel: +1-951 781-5500 • Fax: +1-951 781-5700

www.bourns.com