

- Product Features**
- Carbon element
 - 120 mm travel lengths
 - Single and dual gang elements
 - 0.5-watt power rating
 - Dual track type potentiometer
 - 500,000 cycles operational life
 - 3% tracking precision linearity
 - Superior resistance stability in environment change
 - Low noise in operating
 - Long life silver screen technology utilized



SP09 Series Slide Potentiometer

Electrical Characteristics

- Resistance Range**
500 ohms through 1 megohms, linear
- Resistance Tolerance**
10%; 20%; 30%
- Insulation Resistance**
100 megohms Min. @ 250 VDC
- Dielectric Withstanding Voltage**
1 minute at 500VAC
- Power Rating**
120mm0.5 watt
- Slider Noise**
100 mV Max. initial/ 200mv Max. after life cycles
- Operating voltage**
250 VDC Max.

Environmental Characteristics

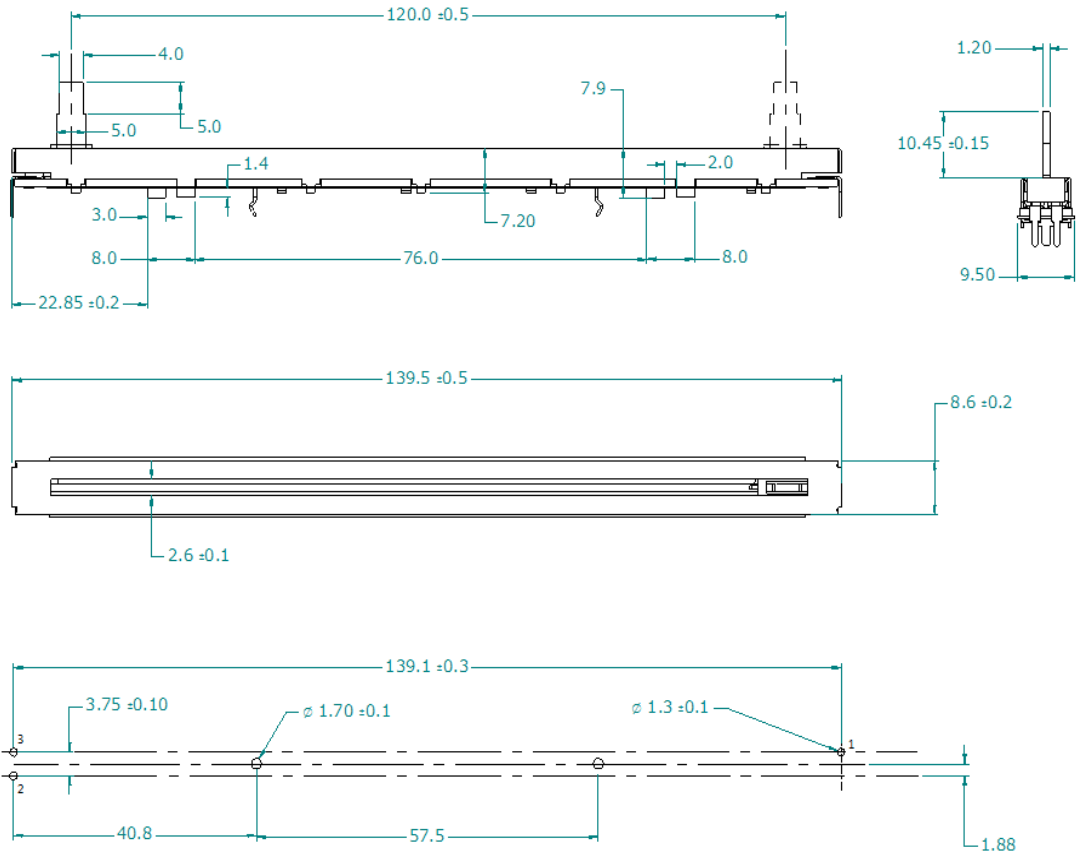
- Operational Life**
±10%ΔR After 500,000 cycles @Room Temperature
- Operating Temperature Range**
-10℃~70℃
- Temperature cycling test**
±10%ΔR@-10 ±2℃ for 30 min and +70±2℃ for 30 min for each cycle .
- Dry heat test**
±10% ΔR 96 hrs 80±2° C with 2 hrs air dry
- Cold test**
±10% ΔR 96 hrs -30±2° C with 2 hrs air dry
- Humidity test**
±20% ΔR @96 hrs 40° C & 95% RH with 2 hours air dry

Mechanical Characteristics

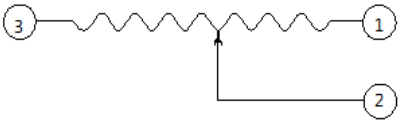
- Mechanical Travel**
45 mm, 60 mm, 100 mm, 120 mm travel lengths
- Operating Force**
10gf~80gf
- Stop strength**
5kgf Min.
- Push-pull strength**
3Kgf Min.
- Resistance to soldering heat**
Manual350 °C ±5 °C for 5 sec.
Wave260 °C ±5 °C
- Sliding life**
500,000 cycles at 2K cycles per hour

Product Dimensions

Dimensions Unit: mm



Recommended PCB Holes



CIRCUIT

