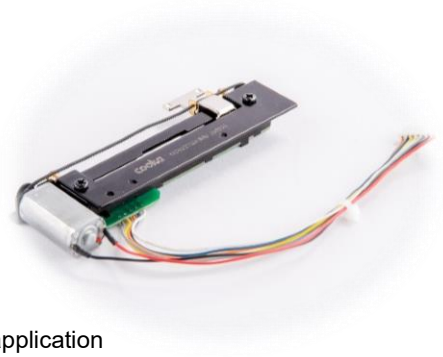
- 60mm/100mm travel lengths
- Carbon base element
- 1,000,000 cycles
- ±2% precision Linearity
- Low noise in operating
- Vertical assembly structure
- Motor actuated function
- High performance conductive film application



MSV02 – Long Life Moter Actuated Slide Potentiometer Specification

Electrical

Standard Resistance Range 5KΩ, 10kΩ

Resistance Tolerance . . . . . 20% standard

End Resistance . . . . . 10Ω max.

Resistance Taper . . . . . linear

Linearity . . . . . ±2.5% max.

Noise (C.R.V.) . . . . . 100 mV Max.

Power Rating . . . . . 0.25 watt at 40℃, 0 watt at 85℃

Maximum Input Voltage . . . . . 200VDC Max.

Insulation Resistance . . . . . 100MΩ minimum at 1,000VDC

Dielectric Strength . . . . . 1,000VAC, 1 minute

Mechanical

Mechanical Travel 60mm/100mm

Push strength . . . . . 10~100 gf•cm Max.

Stop Strength . . . . . 5kgf•cm Min.

Shaft Strength (push) . . . . . .3 kgf Min.

Shaft Strength (tensile) . . . . . 3 kgf Min.

Soldering Condition

Manual Soldering . . . . . .350 °C ± 10 °C for 3.5 ± 0.5 sec.

Environmental

Working Temperature . . . . . -10℃ to 70℃

Storage Temperature . . . . . -20℃ to 85℃

Durability Test

Temperature Characteristics Test . . . . . .85℃, 5 hours

ΔT/R ≤±10%

Temperature Cycle Test . . . . . -20℃, 85℃,30 minutes each, 5 cycles

ΔT/R ≤±10%

Load Life Test. . . . . 40℃, 0.25 watt, 1,000 hours

ΔT/R ≤±10%

Moisture and Load Life Test . . . . . 40℃, 90-95%RH,0.25 watt, 500 hours

ΔT/R≤±10%

Vibration Test . . . . . 10-55Hz, 1.5mm amplitude, 3 directions

ΔT/R ≤±5%

Soldering Heat Resistance Test . . . . . 350℃±5℃, 3 seconds

ΔT/R≤±2%

Rotational Life Test. . . . . .1,000,000 cycles without load

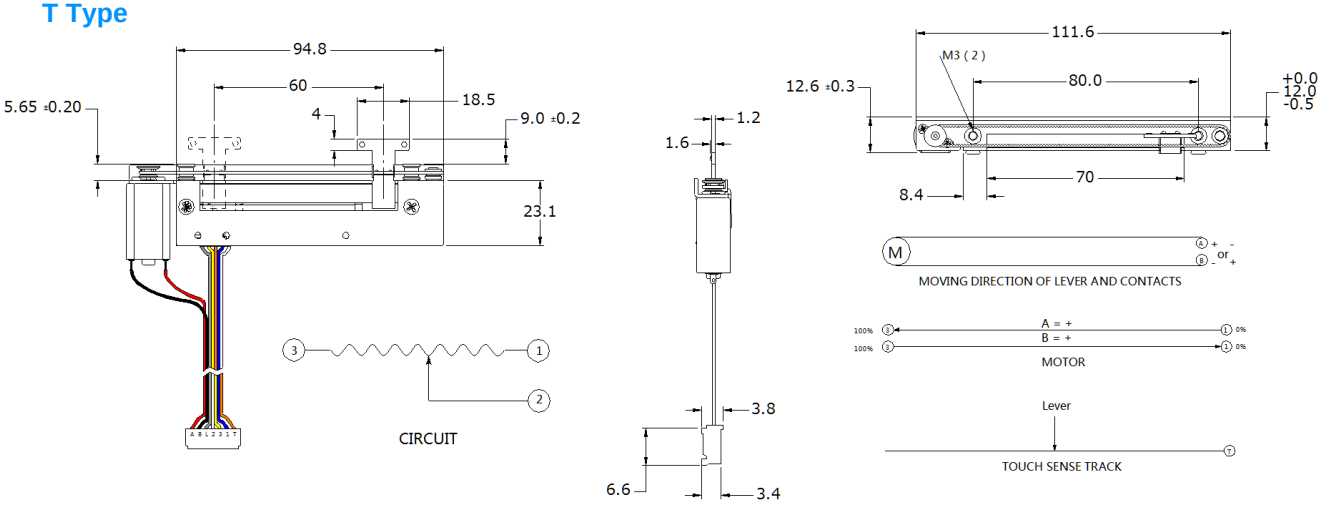
ΔT/R≤±10%

ΔT/R = Total Resistance Change

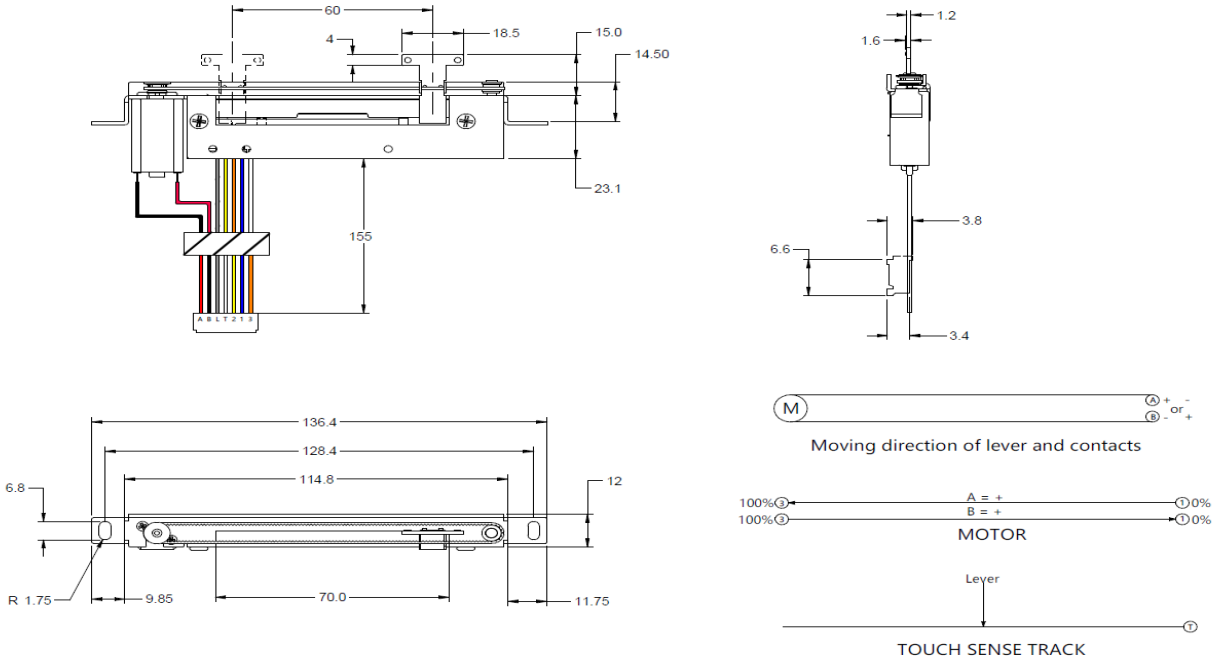
MSV02 Series Product Dimension

Unit: mm

T Type



TL Type



MSV02 Series Part Numbering System

