- 45mm/60mm/100mm travel lengths
- Carbon base element
- 1,000,000 cycles
- ±3% precision Linearity
- Low noise in operating
- Single or duplex type potentiometer
- High performance conductive film application



SVR01 – Long Life Slide Potentiometer Specification

Electrical

Standard Resistance Range 5KΩ, 10kΩ

Resistance Tolerance . . . . . 20% standard

End Resistance . . . . . 10Ω max.

Resistance Taper . . . . . linear

Linearity . . . . . ±3% max.

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

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

Maximum Input Voltage . . . . . 250VDC Max.

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

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

Mechanical

Mechanical Travel 45mm/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.

Wave Soldering . . . . . .260 °C ± 5 °C

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 . . . . . -10℃, 70℃,30 minutes each, 5 cycles

ΔT/R ⩽±10%

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

ΔT/R ⩽±20%

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

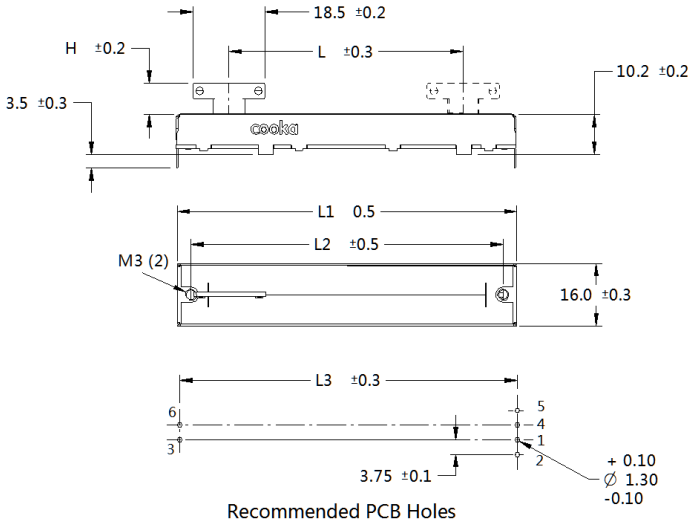
ΔT/R⩽±2%

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

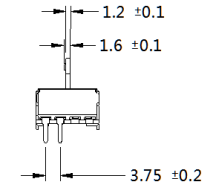
ΔT/R⩽±20%

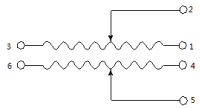
ΔT/R = Total Resistance Change

SVR01 Series Product Dimension



Recommended PCB Holes





Circuit

Unit: mm

Travel Length	L	L1	L2	L3
45mm	45mm	72mm	65mm	71.5mm
60mm	60mm	87mm	80mm	86.5mm
100mm	100mm	127mm	120mm	126.5mm

SVR01 Series Part Numbering System

SVR01 | **T08** | **S** | **10K** | **B** | **A** | **60** | **L** | **D** | **L**

Series Code

Shaft Height
T08 = 8mm
T10= 10mm

Single/Duplex
S = Single
D = Duplex

Resistance Code(Ω)

Resistance Tolerance Code
A = ±10%
B = ±20%

Curve Code
Blank = 1B
A = 15A
C = 15C

Travel Length(L)
45 = 45mm
60 = 60mm
100 = 100mm

Slide Feeling
L = Light feeling
H = Heavy feeling

Dust Cover Proof Code
Blank = Without
D = With Cover

Slide Life
Blank: 1 million
L : 100,000
B : 200,000

Note: Single product with out the holes of 4, 5, 6.

SVR01 Series Curve

