Cooka (Zhongshan) Technology Co., Ltd.

- 30mm/45mm travel lengths
- Carbon base element
- 100,000 cycles
- ±3% precision Linearity
- Low noise in operating
- High performance conductive film application



SVR02 – Slide Potentiometer Specification

Electrical

Standard Resistance Range . . . . . .5KΩ~00kΩ

Resistance Tolerance . . . . . 20% standard

End Resistance 10Ω

max.

Resistance Taper . . . . linear

Linearity . . . .±3%

max.

Noise (C.R.V.) . . . . . 200 mV Max.

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

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

Insulation Resistance . . . .100MΩ minimum at 500VDC

Dielectric Strength . . . . 500VAC, 1 minute

Mechanical

Mechanical Travel 30mm/45mm

Push strength . . . . . 10~100 gf•cm

Max.

Stop Strength . . . . . 3kgf•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 . . . . . -10℃, 70℃,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≤±20%

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

directions

ΔT/R ≤±5%

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

ΔT/R≤±2%

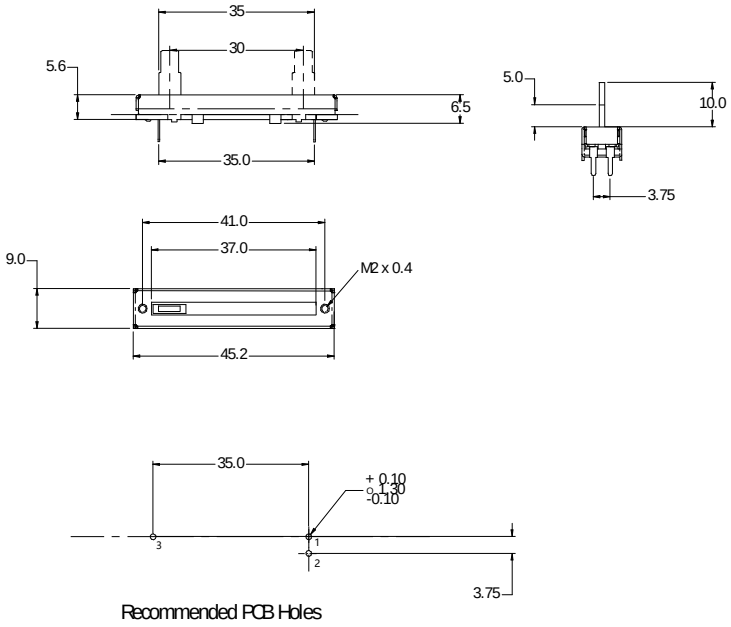
Rotational Life Test . . . . . .100,000 cycles without

load

ΔT/R≤±10%

ΔT/R = Total Resistance Change

SVR02 Series Product Dimension



Recommended PCB Holes

Unit: mm

Travel Length	L	L1	L2	L3
30mm	30mm	35mm	41mm	45.2mm
45mm	45mm	50mm	56mm	60.2mm

SVR02 Series Part Numbering System

SVR02 | **T** | **10K** | **B** | **60** | **A**

Series Code

Shaft Height
H = Straight shaft

Resistance Code(Ω)

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

Travel Length(L)
20 = 20mm
30 = 30mm
45 = 45mm

Curve(Taper)
A = 15A
B = 1B
D = 10A

SVR02 Series Curve

