



Features

- Carbon element
- Metal housing
- 15-60mm travel
- RoHS compliant

SLXX21N Series - Slide Potentiometer

Electrical Characteristics

Standard Resistance Range

..... 1 K Ω to 500 K Ω

Standard Resistance Tolerance..... $\pm 20\%$

Residual Resistance.....20 Ω max.

Insulation Resistance

.....Min. 10 M Ω at 250 V DC

Environmental Characteristics

Operating Temperature

.....-10 $^{\circ}\text{C}$ to +75 $^{\circ}\text{C}$

Power Rating.....0.25 W

Maximum Operating Voltage

.....200 V AC

Withstand Voltage

.....1 Min. at 300 V AC

Sliding Noise100 mV maximum

Mechanical Characteristics

Operating Force30 to 150 gf

Sliding Life.....10,000 cycles

Stop Strength.....5 kgf min.

Hand Soldering Condition

.....300 $^{\circ}\text{C}$ max. within 3 seconds

Wave Soldering Condition

.....260 $^{\circ}\text{C}$ max. within 5 seconds

Travel15/20/30/45/60 mm

Material

Plastic Lever.....POM(UL94-HB)

Metal Lever.....Cold rolled strip
(Nickel-plated)

Reed.....Zinc White Copper

Housing.....Cold rolled strip
(Tin-Plated)

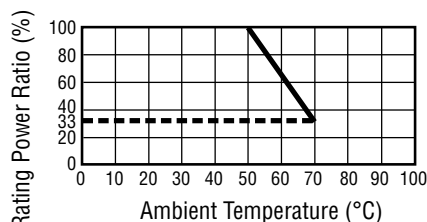
Carbon plate.....Paper substrate plate

Terminal.....Cold rolled strip
(Tin-Plated)

Contact Spring.....Tin Bronze

Plastic Washer.....PTFE (UL94-HB)

Derating Curve



How To Order

SL6021N - 15 C - B 10K - C

Travel

- 15 = 15 mm
- 20 = 20 mm
- 30 = 30 mm
- 45 = 45 mm
- 60 = 60 mm

Lever Length

- 5 = 5 mm (only for "CA")
- 10 = 10 mm
- 15 = 15 mm
- 20 = 20 mm

Lever Material

- CA = Plastic
- C = Metal

Resistance Taper

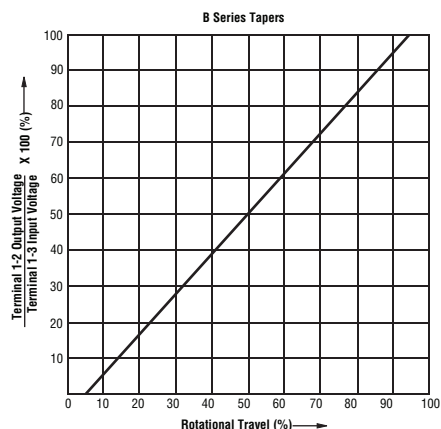
- B = Linear

Resistance Code (See Table)

Detent

- Blank = Without detent
- C = With detent

Tapers

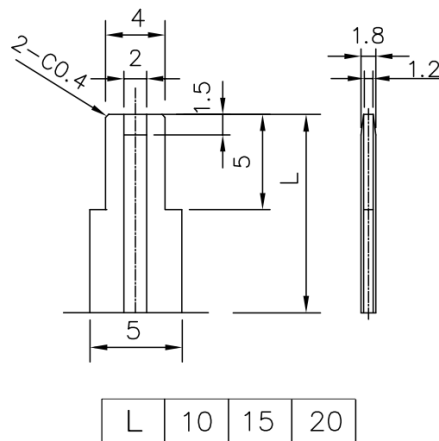
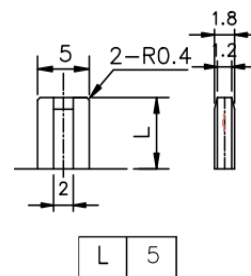


Standard Resistance Table

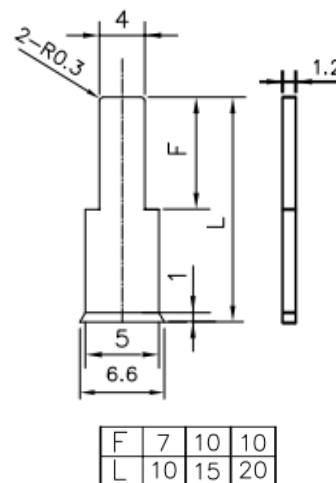
Resistance (Ohms)	Resistance Code
1,000	1 K
2,000	2 K
5,000	5 K
10,000	10 K
20,000	20 K
50,000	50 K
100,000	100 K
200,000	200 K
500,000	500 K

Lever Dimensions

"CA"



"C"

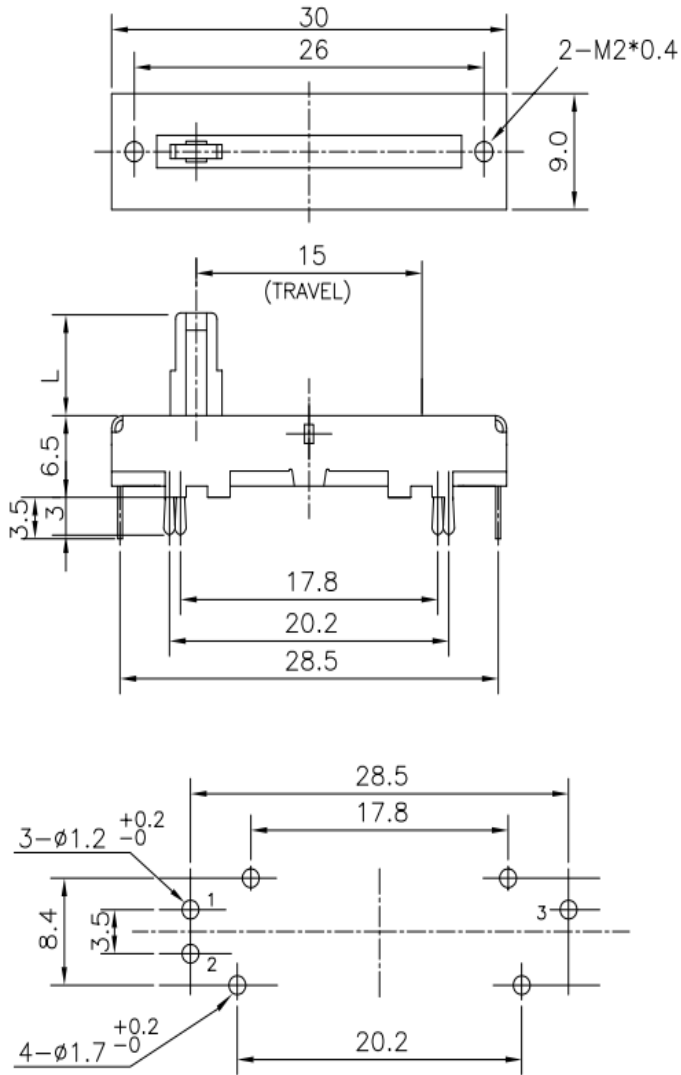


DIMENSIONS:MM

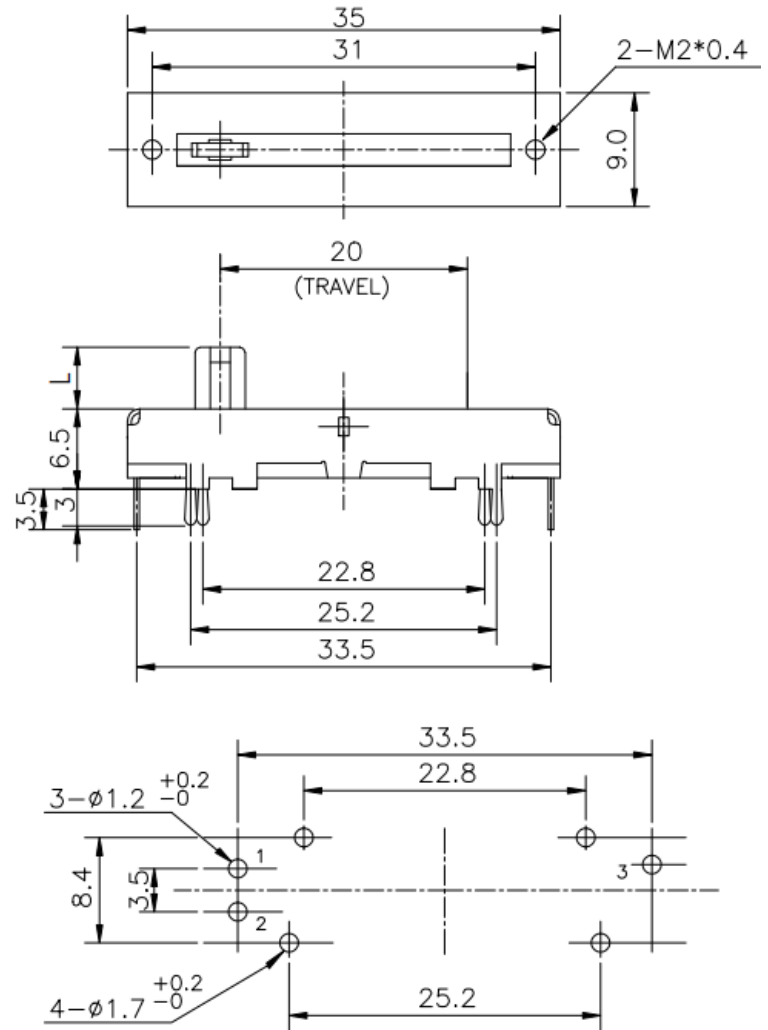
SLXX21N Series - Slide Potentiometer

Product Dimensions

SL1521N



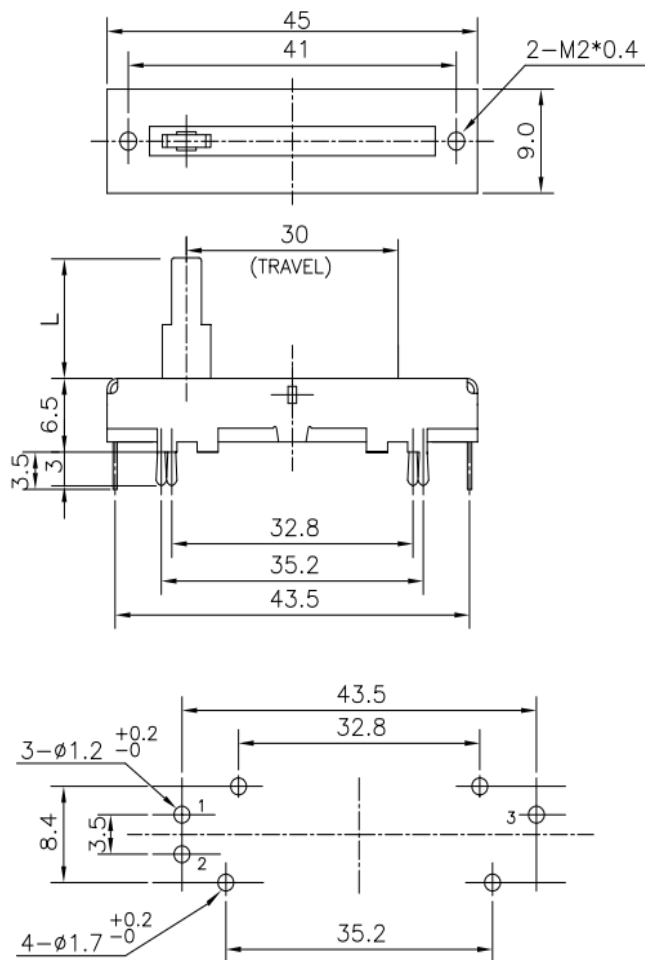
SL2021N



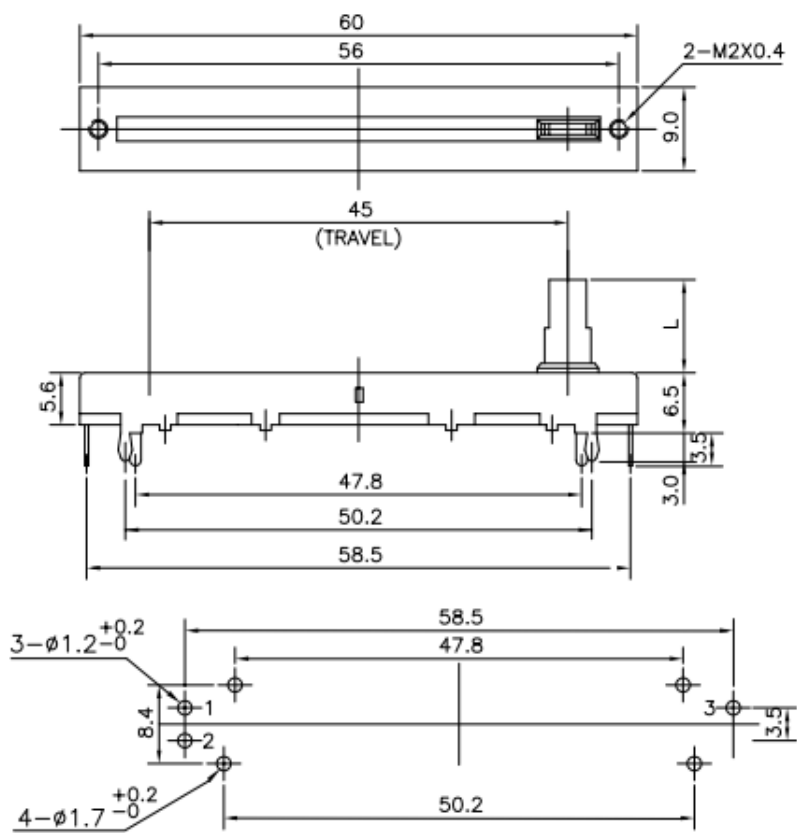
SLXX21N Series - Slide Potentiometer

Product Dimensions

SL3021N



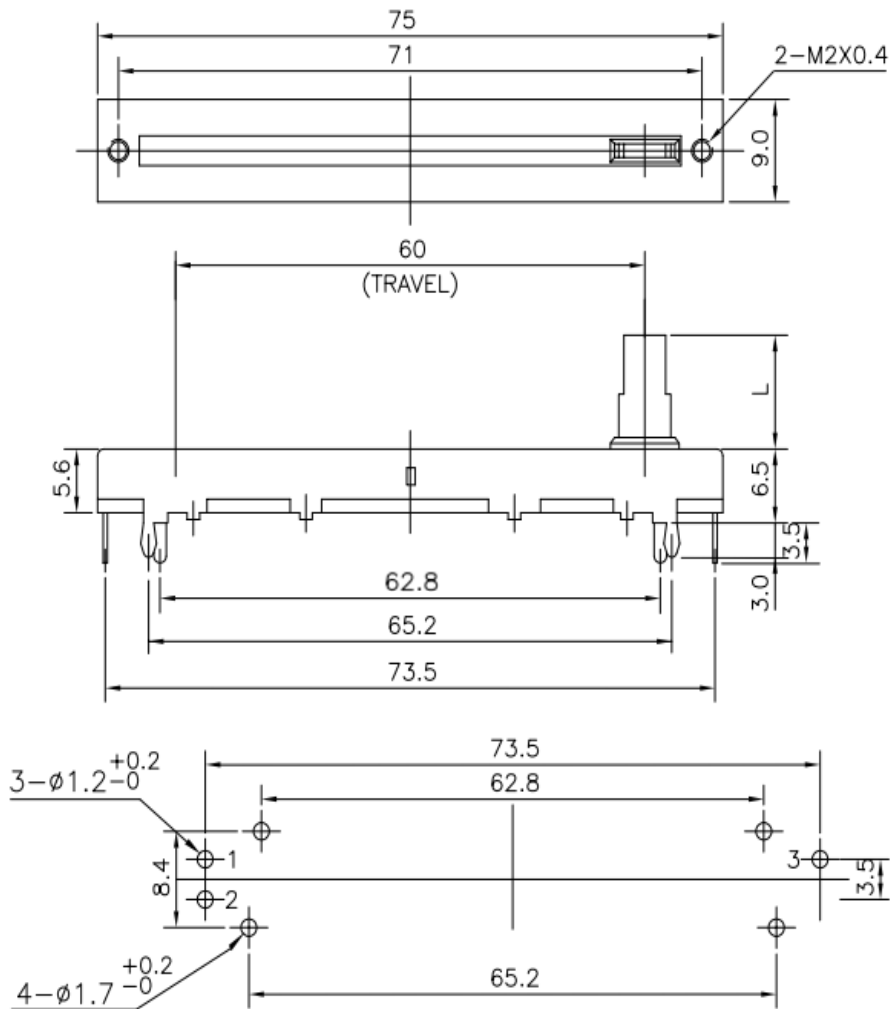
SL4521N



SLXX21N Series - Slide Potentiometer

Product Dimensions

SL6021N



General Tolerance

Dimension:

$X < 10 \pm 0.3\text{mm}$

$10 \leq X < 30 \pm 0.5\text{mm}$

$30 \leq X \leq 100 \pm 1\text{mm}$

Angle: $\pm 5^\circ$

Typical Weight

Model	Net Weight
SL1521N	3.3 $\pm$ 0.5g
SL2021N	3.7 $\pm$ 0.5g
SL3021N	4.3 $\pm$ 0.5g
SL4521N	5.5 $\pm$ 0.5g
SL6021N	6.6 $\pm$ 0.5g

Note:

The net weight of product varies from different lever dimensions and lever materials(plastic/metal).