

Features

- Carbon element
- Metal housing
- 15-45mm travel
- RoHS compliant

SLXX95N Series-LowProfileSlidePotentiometer

Electrical Characteristics

Taper..... Linear, audio
 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 Noise..... 100 mV maximum

Mechanical Characteristics

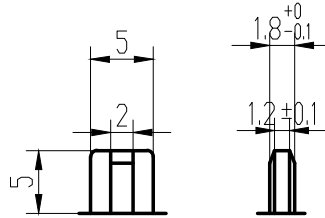
Operating Force 30 to 150 gf
 Stop Strength 5 kgf min.
 Sliding Life..... 10,000 cycles
 Hand Soldering Condition
 300 $^{\circ}\text{C}$ max. within 3 seconds
 Wave Soldering Condition
 260 $^{\circ}\text{C}$ max. within 5 seconds
 Travel 15, 20, 30, 45 mm

Materials

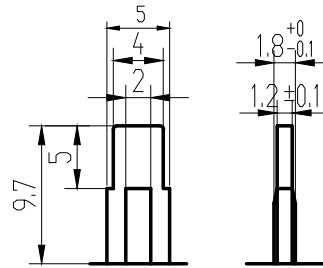
Lever..... POM(UL94-HB)
 Reed..... Zinc White Copper
 Housing..... Cold rolled strip
 (Tin-Plated)
 Carbon plate..... Paper substrate plate
 FR4 substrate(Only for 15mm travel)
 Terminal..... Cold rolled strip
 (Tin-Plated)
 Contact Spring..... Tin Bronze
 Plastic Washer..... PTFE (UL94-HB)

Lever Dimensions

5CA



9.7CH



DIMENSIONS:MM

How To Order

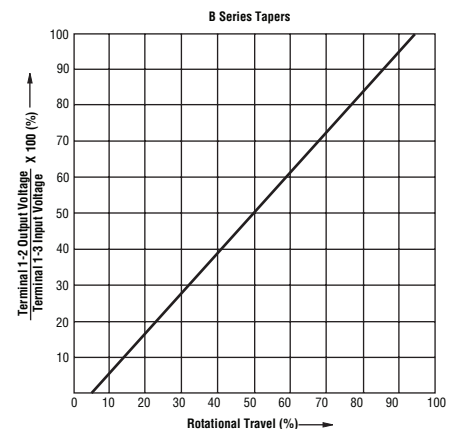
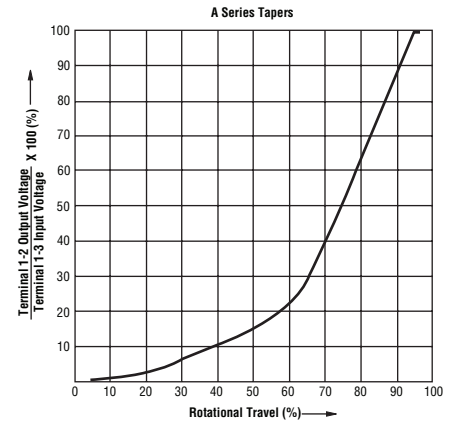
SL 20 95 N - 20 - 5CA - B100K - C

Model _____
 Travel Length _____
 • 15 = 15 mm
 • 20 = 20 mm
 • 30 = 30 mm
 • 45 = 45 mm
 Housing Width _____
 • 95 = 9.5 mm
 Pin Style _____
 • 20= PC Pins Down Facing
 Lever Style _____
 • 5CA = 5mm Plastic Lever
 • 9.7CH = 9.7mm Plastic Lever
 Resistance Taper _____
 • A = Reverse log
 • B = Linear
 Resistance Code (See Table) _____
 Detent _____
 • Blank = Without detent
 • C = With detent

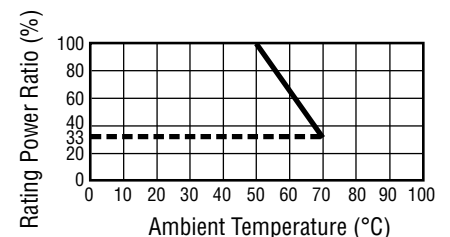
Standard Resistance Table

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

Tapers

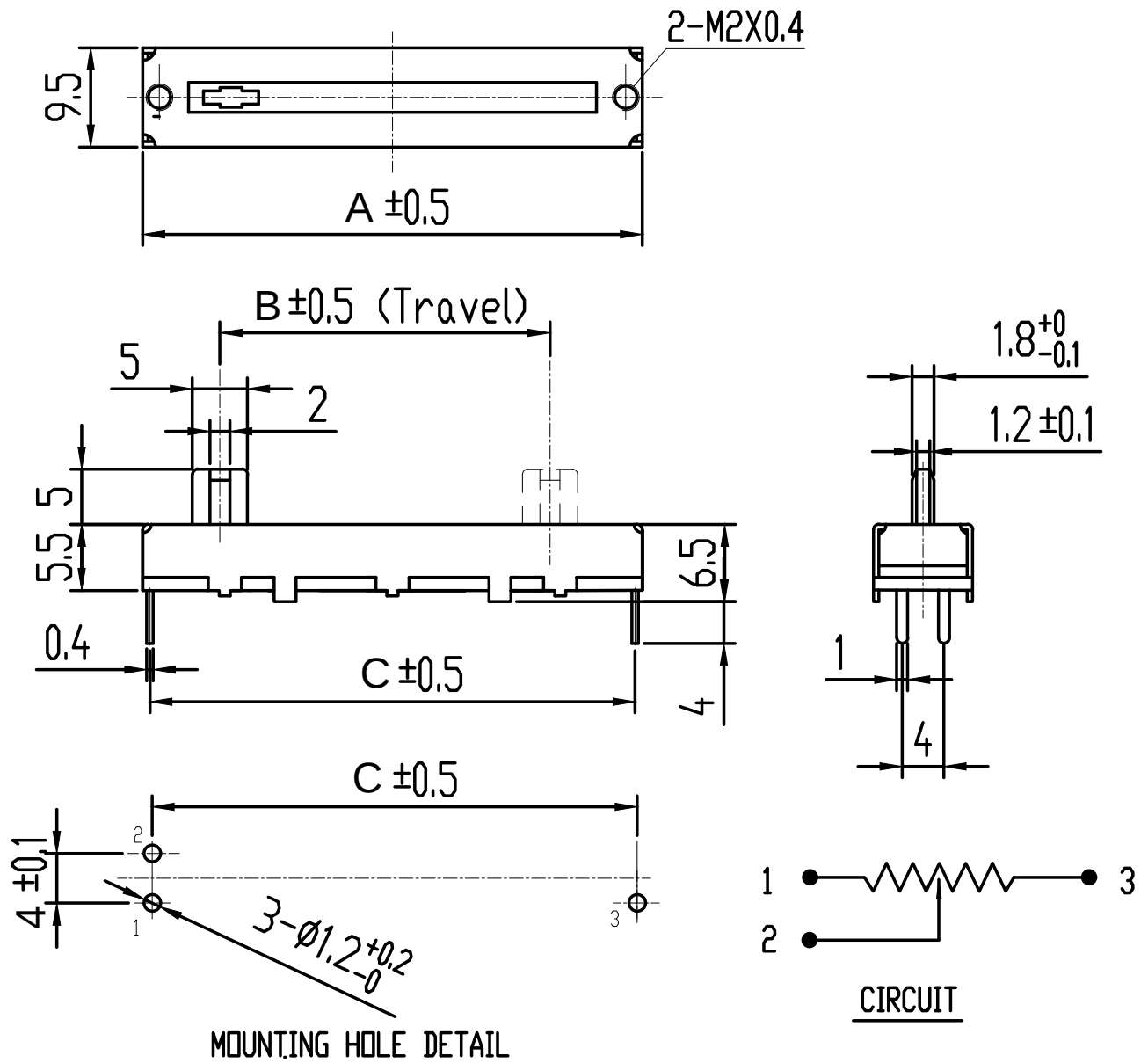


Derating Curve



SLXX95N Series-LowProfileSlidePotentiometer

Product Dimensions



DIMENSIONS: MM

Dimensions

Model	A	B	C
SL1595N	30	15	29
SL2095N	35	20	34
SL3095N	45	30	44
SL4595N	60	45	59

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
SL1595N	$3.1 \pm 0.1\text{g}$
SL2095N	$3.4 \pm 0.1\text{g}$
SL3095N	$4.1 \pm 0.1\text{g}$
SL4595N	$5.1 \pm 0.1\text{g}$

Note:

The net weight of product varies from different lever dimensions.