

# LSVH Series

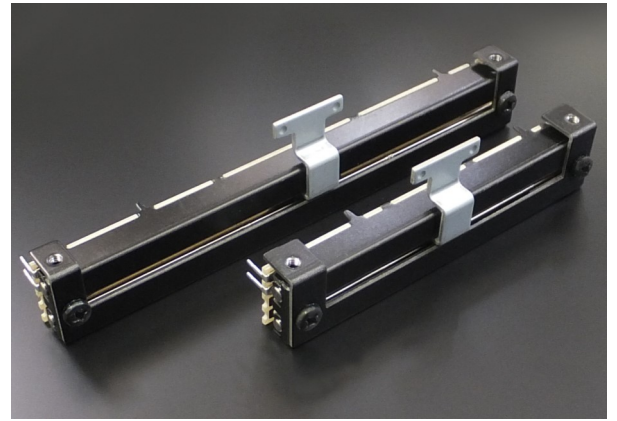
**PROFADER™**

## Direct print resistance board

Special surface treatment (Long sliding life)

## Protection against dust

Horizontal style Control-bar design.

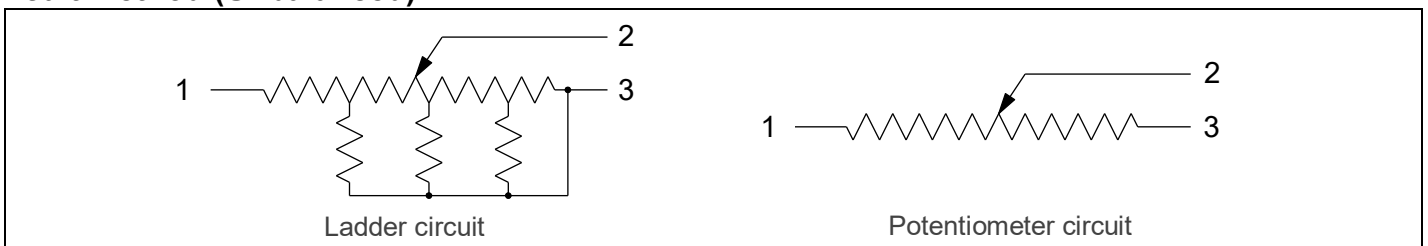


## Model number

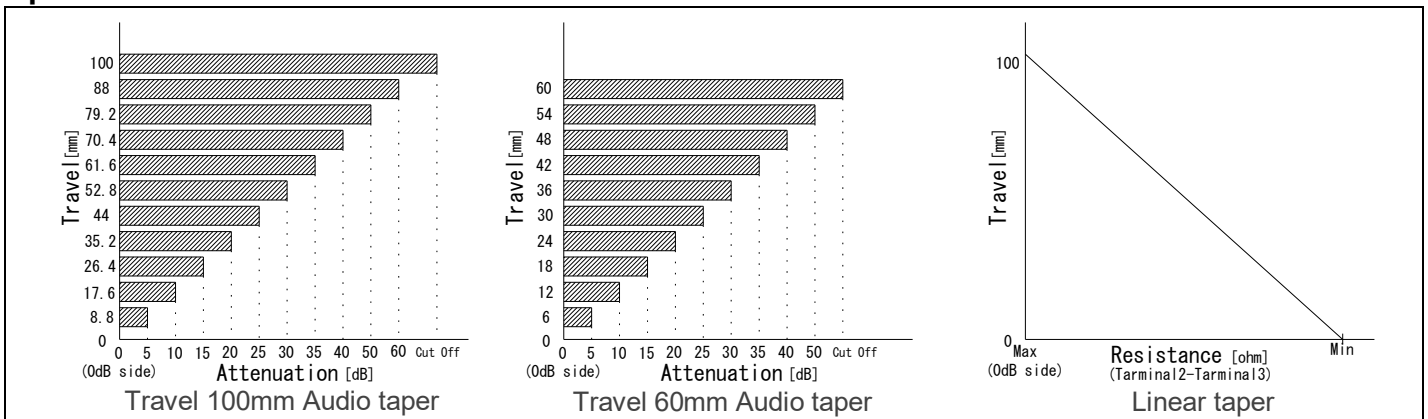
2 LSVH-110 0 - B 10K  
 \*1 \*2 \*3 \*4 \*5

*1	Number of circuit	<b>Blank</b> : Single circuit <b>2</b> : Two circuits
*2	Product number and Travel	<b>LSVH-110</b> : 100mm <b>LSVH-610</b> : 60mm
*3	Operating force	<b>0</b> : Normal torque <b>1</b> : High torque *Only high torque type with CP-1 or CP-2 is applicable for the vertical use.
*4	Output law (Please see figure of output law.)	<b>Blank</b> : Audio taper <b>B</b> : Linear taper
*5	Total resistance	<b>10K</b> : 10kohm <b>5K</b> : 5kohm

## Circuit method (Unbalanced)



## Output Law



## Electrical specifications

	LSVH-****	2LSVH-****	LSVH-****-B	2LSVH-****-B
Circuit (Unbalanced)	1	2	1	2
Total resistance (1-3)	5k, 10kohm			
Total resistance tolerance	±20%			
Taper	Audio taper (Ladder circuit)		Linear taper (Potentiometer circuit)	
Linearity	-		±5%	
Residual resistance	-		50ohm or less	
Attenuation accuracy (Load: high)	0~20dB: ±3.0dB		-	
Matching accuracy	-	0~20dB: 3.0dB	-	
Insertion loss	0.5dB or less		-	
Cut off (15kHz)	95dB Min.		-	
Voltage proof	1 Min. at AC500V			
Insulation resistance	50Mohm or more at DC250V			
Max rating	DC20V (0.1W)			
Sliding noise level	47mV or less (by JIS C 6443)			
Sliding life	100,000 Cycles Min. (18cycles/min, Sliding noise level: Less than 100mV)			

## Mechanical specifications

	LSVH-1100 Series	LSVH-6100 Series
Stroke length	100mm±0.5mm	60mm±0.5mm
Operating force	0~0.1N (Normal torque), 0.1~0.3N (High torque)	
Strength of Nut-Attached	100Ncm	
Attached Parts	M3 screw (Length: Panel thickness + 3mm)	
Stopper strength	30N	
Push-pull strength	30N	

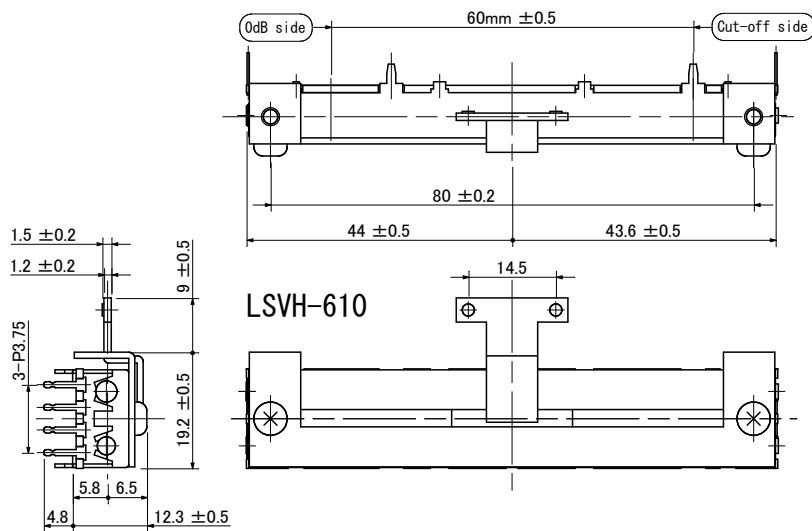
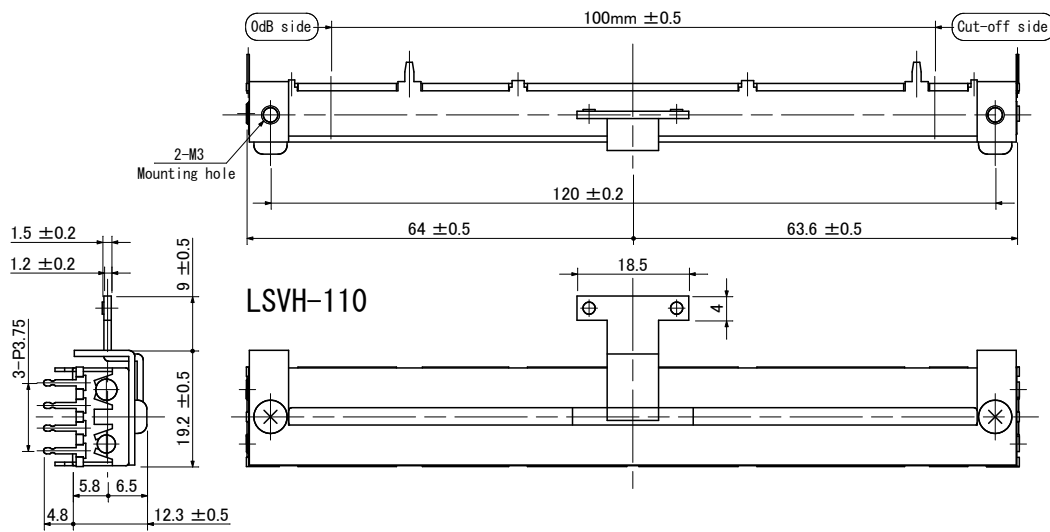
## General specifications

	LSVH Series
Temperature range	-10 to +70 degrees C (Operating), -15 to +75 degrees C (Storage)
Relative humidity	90%RH (No condensation)

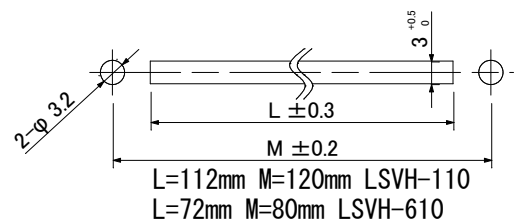
### Note

- \* Solder heat resistance: 350deg C max, 5sec max, 2 times. (Manual soldering only)
- \* Please take care during soldering that the smoke from the solder does not flow inside a fader.
- \* If the flux sticks to a resistor board, it may cause a trouble with the fader.
- \* Move to one end in Control-bar on the occasion of knob wearing, and can break into it slowly.
- \* It is highly recommended that the fault tolerant system is to be set up in the big situation like the live broadcast.

Dimensions



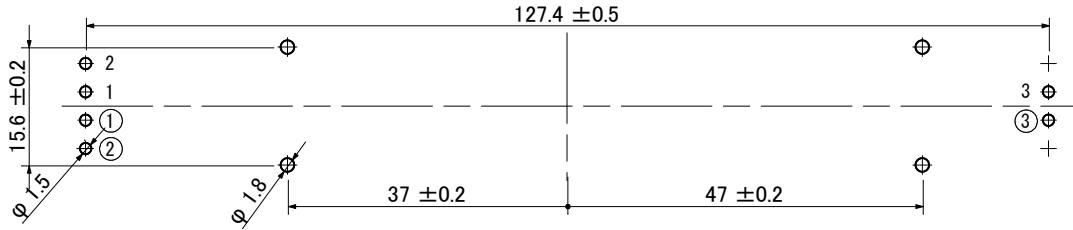
Panel cut out dimensions



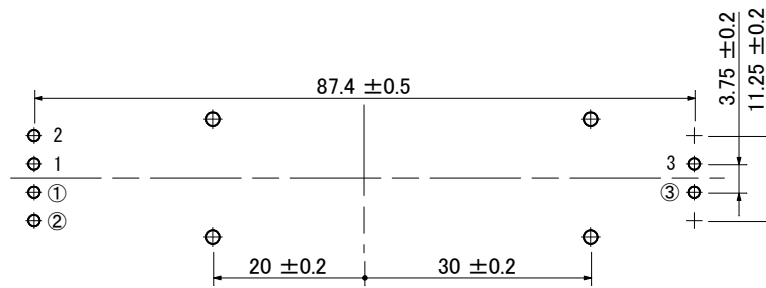
**Dimensions**

**P.C Board Mounting hole detail (Viewed from mounting side)**

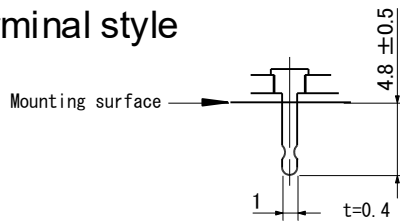
**LSVH-110**



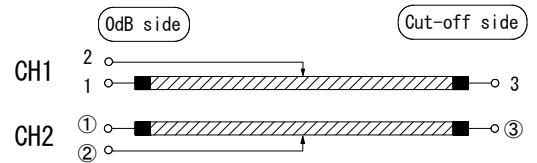
**LSVH-610**



**Terminal style**



**Terminations**



The single unit is not provided with terminal CH2.

The products and their specifications are subject to change without notice.