

# LSVA Series

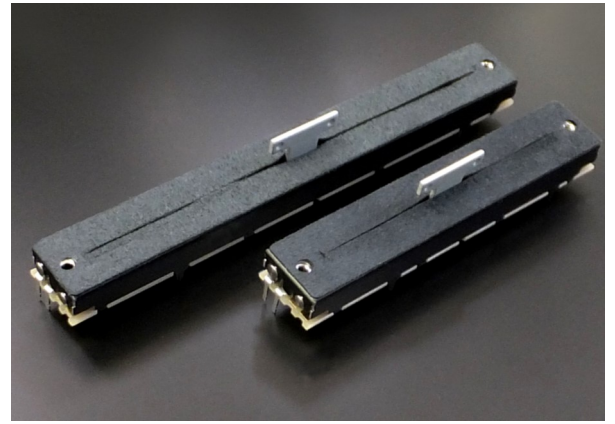
**PROFADER™**

## Direct print resistance board

Special surface treatment (Long sliding life)

## 3 kinds of stroke length

100mm, 60mm, 45mm

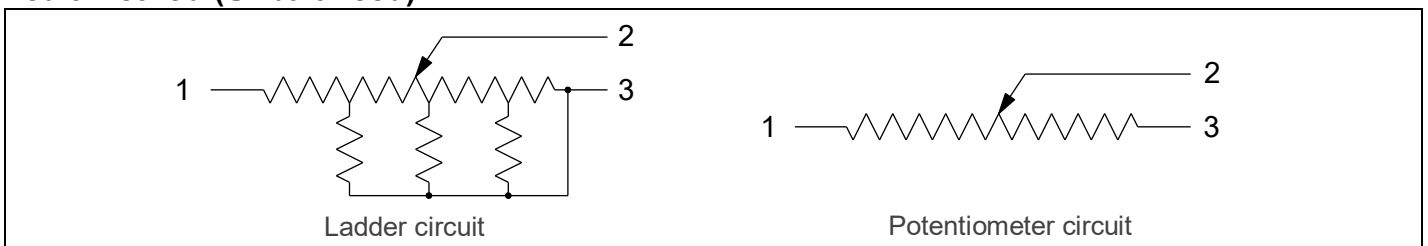


## Model number

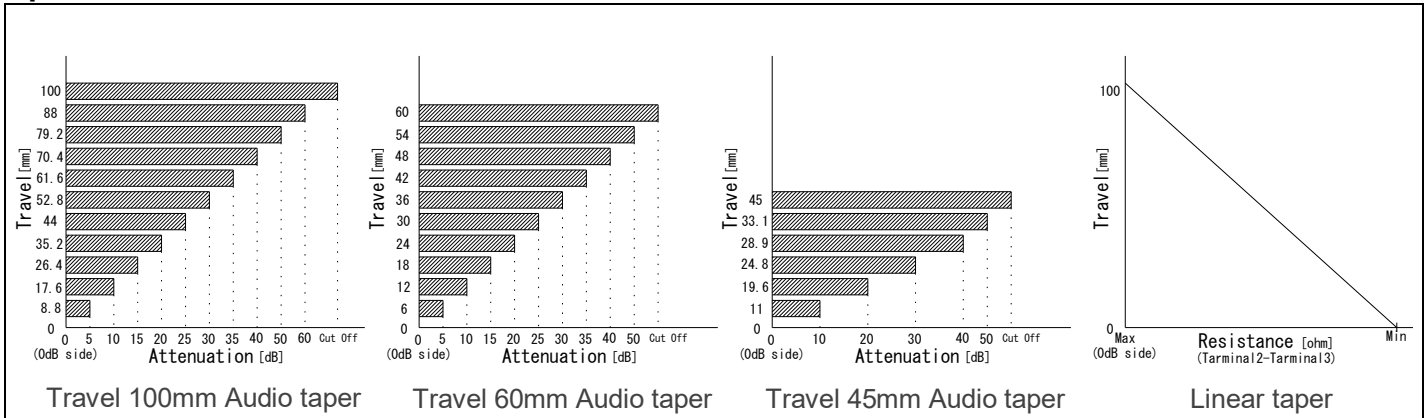
**2** **LSVA-110** **0** **D** - **B** **10K**  
 \*1 \*2 \*3 \*4 \*5 \*6

|    |  |   |
|----|--|---|
| *1 | Number of circuit                                | <b>Blank:</b> Single circuit <b>2:</b> Two circuits   |
| *2 | Product number and Travel                        | <b>LSVA-110:</b> 100mm <b>LSVA-610:</b> 60mm <b>LSVA-450:</b> 45mm  |
| *3 | Operating force                                  | <b>0:</b> Normal torque <b>1:</b> High torque<br>*Only high torque type with CP-1 or CP-2 is applicable for the vertical use. |
| *4 | Dust cover                                       | <b>Blank:</b> Without <b>D:</b> With  |
| *5 | Output law<br>(Please see figure of output law.) | <b>Blank:</b> Audio taper <b>B:</b> Linear taper  |
| *6 | Total resistance                                 | <b>10K:</b> 10kohm <b>5K:</b> 5kohm   |

## Circuit method (Unbalanced)



## Output Law



## Electrical specifications

|                                   | LSVA-****  | 2LSVA-****    | LSVA-****-B                          | 2LSVA-****-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

|                          | LSVA-1100 Series                               | LSVA-6100 Series | LSVA-4500 Series |
|--------------------------|--|------------------|------------------|
| Stroke length            | 100mm±0.5mm                                    | 60mm±0.5mm       | 45mm±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  |                  |                  |

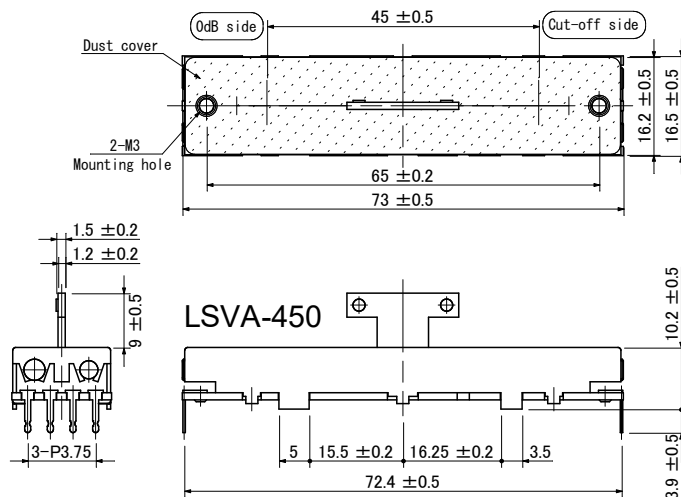
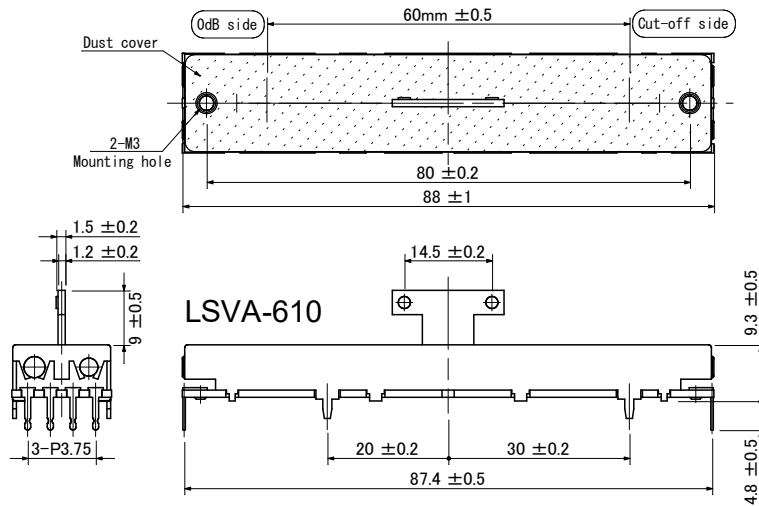
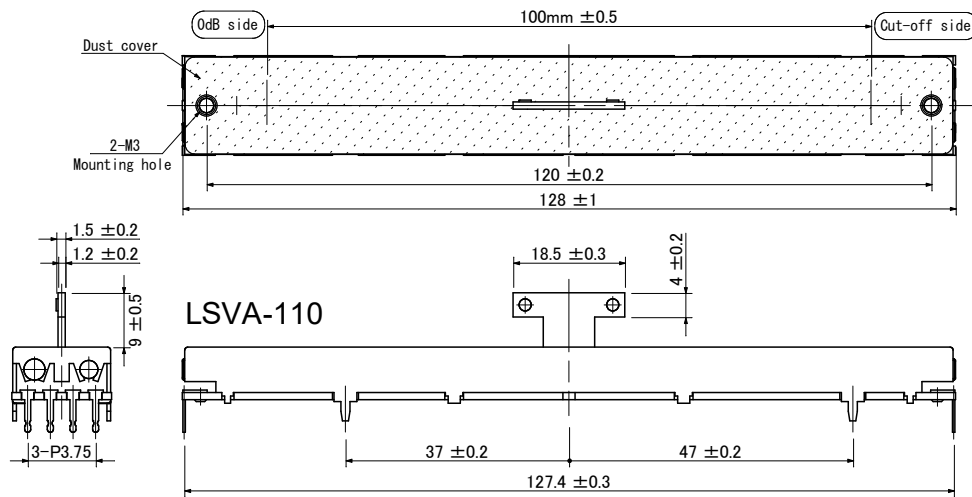
## General specifications

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

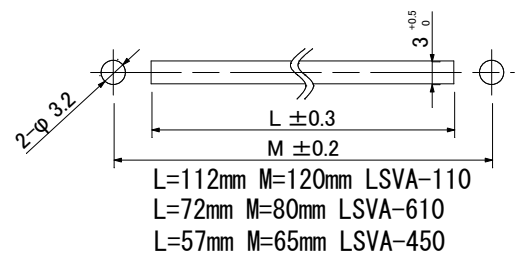
### Note

- \* 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

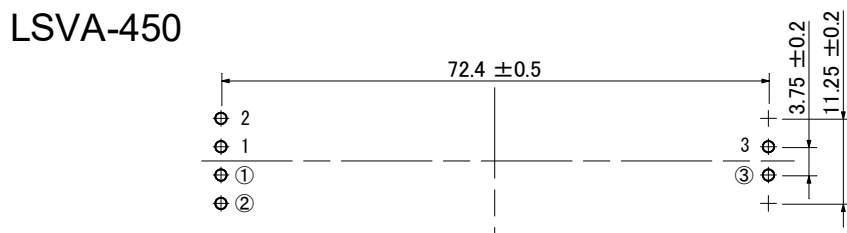
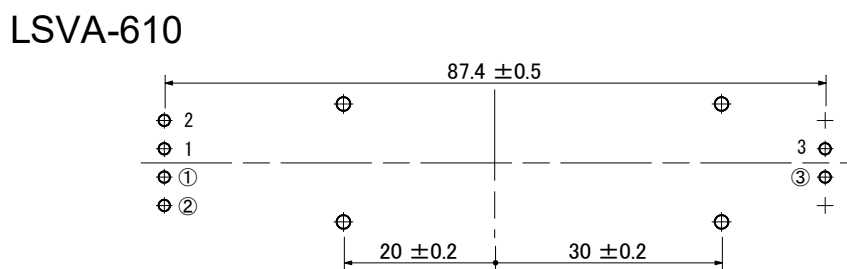
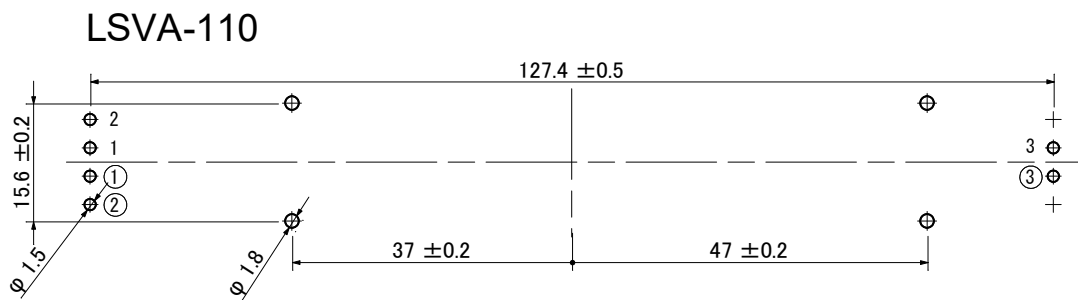


Panel cut out dimensions

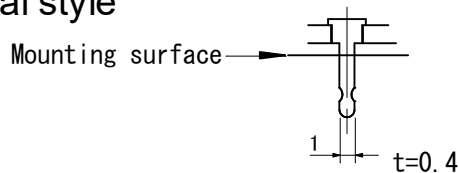


**Dimensions**

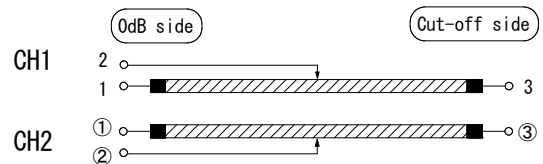
**P.C Board Mounting hole detail (Viewed from mounting side)**



**Terminal style**



**Terminations**



The single unit is not provided with terminal CH2.

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