

# LCA Series

## Multi-purpose fader

There are many types.



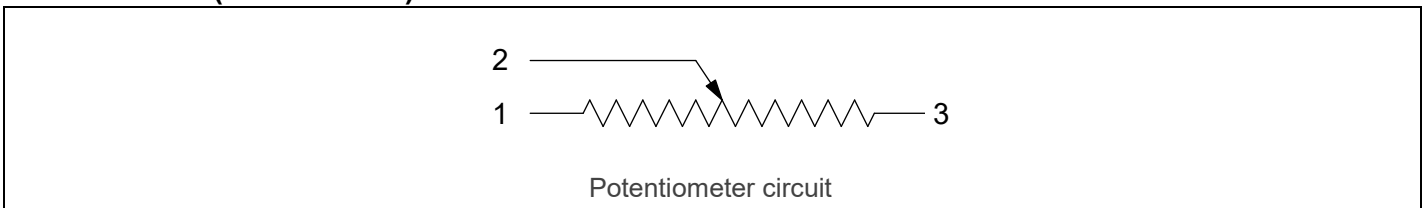
### Model number

**2** **LCA-10** **0** **0** **D** - **B** **10K** **L8** **P**

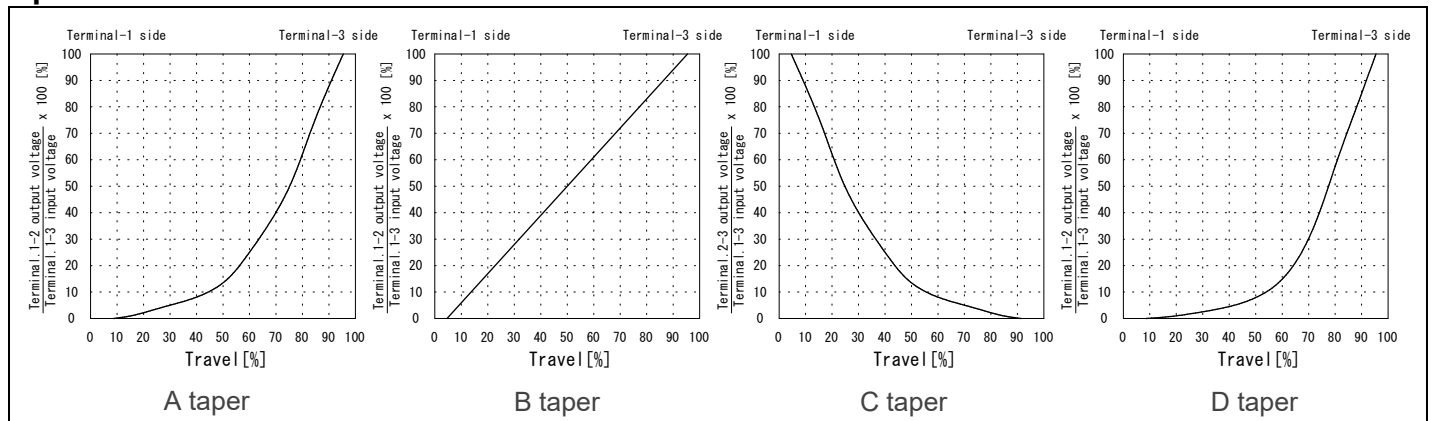
\*1                      \*2                      \*3    \*4    \*5                      \*6                      \*7                      \*8

*1	Number of circuit	<b>Blank:</b> Single circuit <b>2:</b> Two circuits
*2	Product number and Travel	<b>LCA-10:</b> 100mm <b>LCA-60:</b> 60mm <b>LCA-45:</b> 45mm
*3	Operating force	<b>0:</b> Standard type <b>2:</b> Type30 <b>8:</b> Type60 <b>9:</b> Type80 *Please see Mechanical specifications.
*4	Control-bar types	<b>0:</b> Type0 <b>1:</b> Type1 <b>2:</b> Type2 <b>3:</b> Type3 *Please see Control-bar dimensions.
*5	Dust cover	<b>Blank:</b> Without <b>D:</b> With
*6	Output law (Please see figure of output law.)	<b>A:</b> A taper <b>B:</b> Linear taper <b>C:</b> C taper <b>D:</b> D taper
*7	Total resistance	<b>1K:</b> 1kohm <b>5K:</b> 5kohm <b>10K:</b> 10kohm <b>20K:</b> 20kohm <b>50K:</b> 50kohm <b>100K:</b> 100kohm
*8	Control-bar length	*Please see Control-bar dimensions.

### Circuit method (Unbalanced)



### Output Law



## Electrical specifications

	LCA-****-A	LCA-****-C	LCA-****-D	LCA-****-B
Number of Circuit	1 or 2	1 or 2	1 or 2	1 or 2
Total resistance (1-3)	1kohm, 5kohm, 10kohm, 20kohm, 50kohm, 100kohm			
Total resistance tolerance	±20%			
Taper	15A	15C	10A	Linear
Effective travel (50%)	10~25%	10~25%	6~15%	40~60%
Residual resistance	20ohm or less			
Gang error	0~40dB: 3.0dB			
Voltage proof	1 Min. at AC500V			
Insulation resistance	50Mohm or more at DC250V			
Max rating	0.05W			0.1W
Sliding noise level	100mV or less			
Sliding life	50,000 Cycles or more			

## Mechanical specifications

	LCA-1000 Series	LCA-6000 Series	LCA-4500 Series
Stroke length	100mm±0.5mm	60mm±0.5mm	45mm±0.5mm
Operating force	0.03~0.1N (Standard), 0.2~0.4N (TYPE30), 0.4~0.7N (TYPE60), 0.6~0.9N (TYPE80)		
Strength of Nut-Attached	100Ncm		
Attached Parts	M3 screw (Length: Panel thickness + 3mm)		
Stopper strength	100N		
Push-pull strength	50N		

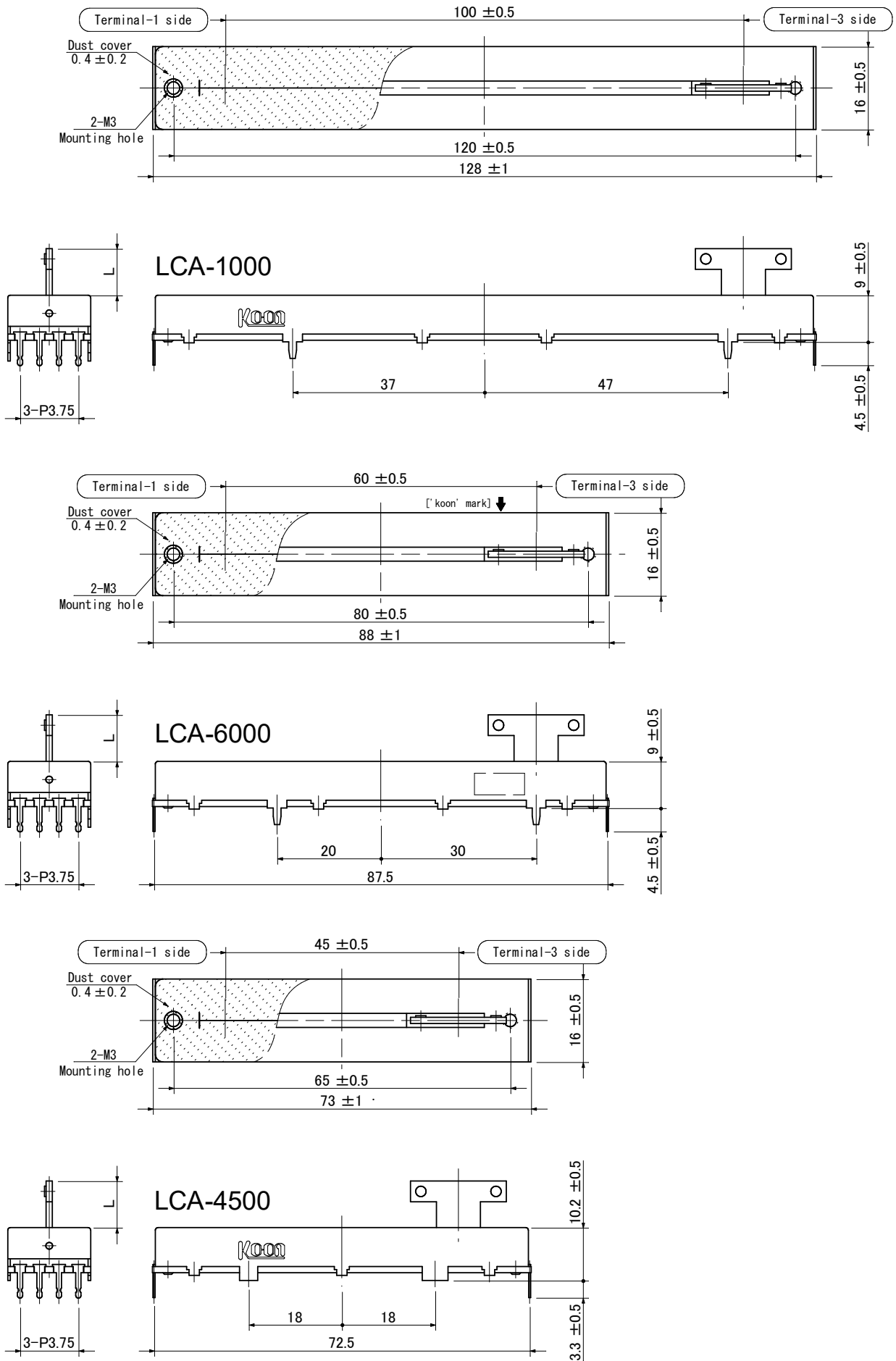
## General specifications

	LCA Series
Temperature range	-10 to +70 degrees C (Operating), -15 to +75 degrees C (Storage)
Relative humidity	80%RH (No condensation)

## Note

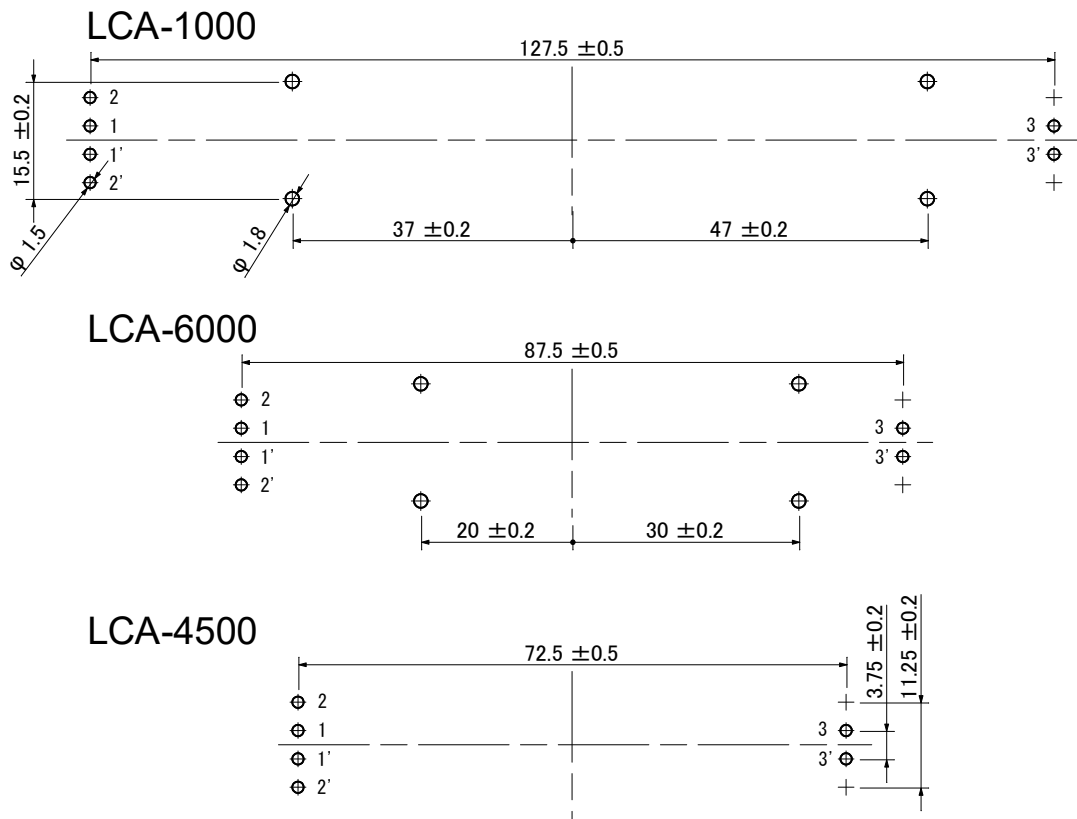
- \* Solder heat resistance: 300deg C max, 3sec max. (Manual soldering only)
- \* Please take care during soldering that the smoke from the solder does not flow inside a fader.
- \* If the flux sticks to a resistor board, it may cause a trouble with the fader.
- \* Move to one end in Control-bar on the 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



## Dimensions

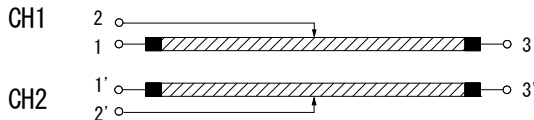
### P.C Board Mounting hole detail (Viewed from mounting side)



### Control-bar style

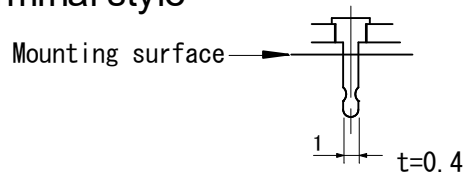
Control-bar type	0	1	2	3
Dimension	$t=1.2$ 	$t=1.2$ 	$t=1.2$ 	$t=1.2$ 
Control-bar length: L	8, 9	15, 20	6.5, 12	10, 20

### Terminations



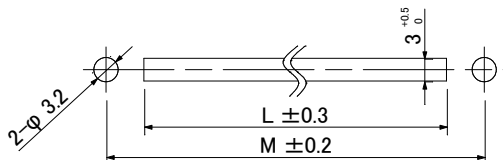
The single unit is not provided with terminal CH2.

### Terminal style



※Soldering of terminals to be made less than at 300 degreesC within 3sec max.

### Panel cut out dimensions



L=110mm M=120mm LCA-1000  
L=70mm M=80mm LCA-6000  
L=55mm M=65mm LCA-4500

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