

# LPA-7000 Series

**PROFADER™**

## Direct print resistance board

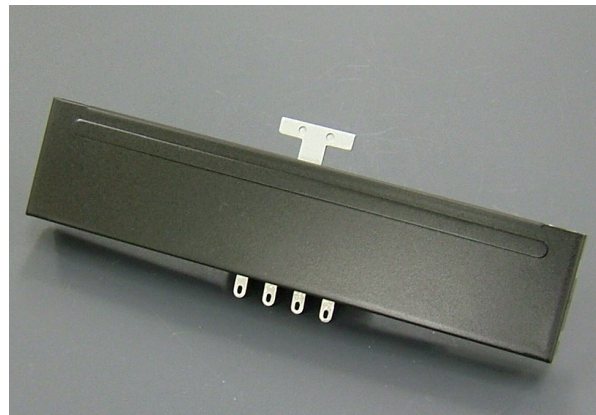
Long sliding life.

## Protection against dust

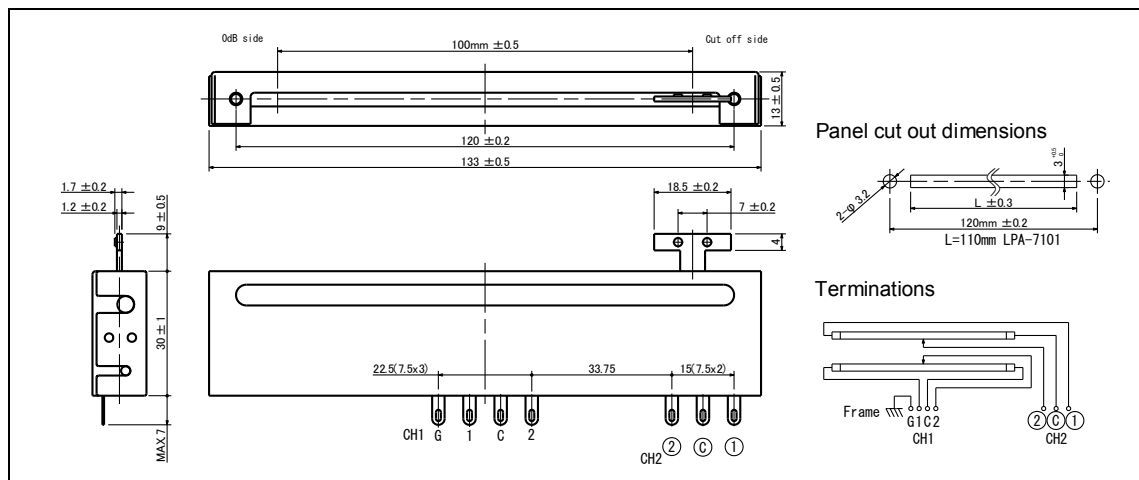
Horizontal style Control-bar design.

## High Quality

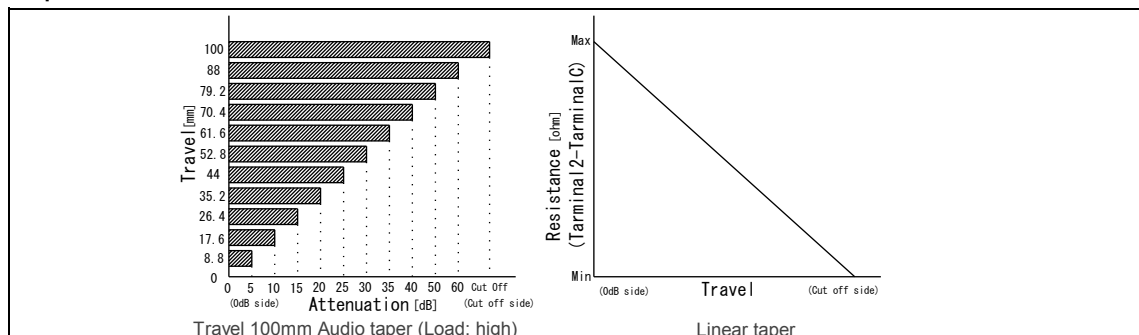
All parts are highly precise.



## Dimensions



## Output Law



## Model number

**2**

Number of circuit  
Blank: single circuit  
2: 2circuits

**LPA-7101**

Product type  
LPA-7101: 100mm

**B**

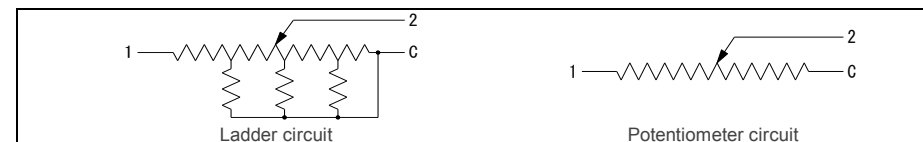
Taper  
Blank: Audio taper  
B: Linear taper

**10K**

Total resistance

\* Impossible to use vertically.

## Circuit method



## Electrical specifications

	LPA-7101	2LPA-7101	LPA-7101-B	2LPA-7101-B
Circuit (Unbalanced)	1	2	1	2
Total resistance (1-C)	5k, 10kohm			
Total resistance tolerance	±20%			
Taper	Audio (Ladder circuit)		Linear (Potentiometer circuit)	
Linearity	-		±5%	
Residual resistance	-		50ohm or less	
Attenuation accuracy (Load: high)	0~15dB: ±1.0dB ~30dB: ±2.0dB ~40dB: ±3.0dB		-	
Matching accuracy	-	0~15dB: 1.0dB ~30dB: 2.0dB ~40dB: 3.0dB	-	
Insertion loss	0.5dB or less			
Cut off (15kHz)	100dB Min.			
Voltage proof	1 Min. at AC500V			
Insulation resistance	50Mohm or more at DC500V			
Max rating	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

	LPA-7000 Series
Stroke length	100mm±0.5mm
Operating force	0.1~0.3N
Strength of Nut-Attached	100Ncm
Attached Parts	M3 screw (Length: Panel thickness + 3~4mm)
Stopper strength	50N
Push-pull strength	50N

## General specifications

	LPA-7000 Series
Temp.range	-10 to +70 deg C (Operating), -15 to +75 deg 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.