

# CPA-6000 Series

**PROFADER™**

## Conductive Plastic

Low sliding noise level & Long sliding life

## Protection against dust

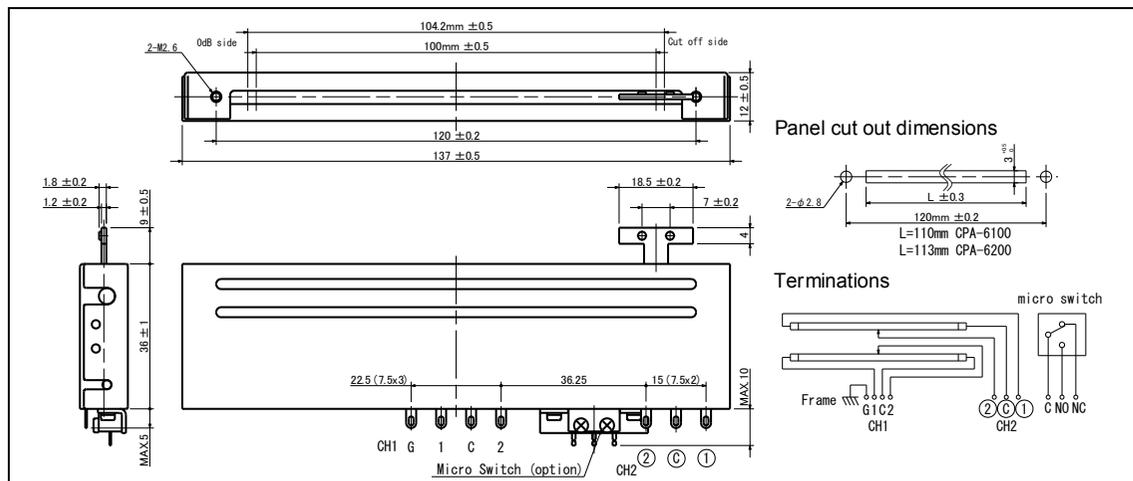
Horizontal style Control-bar design.

## Light weight

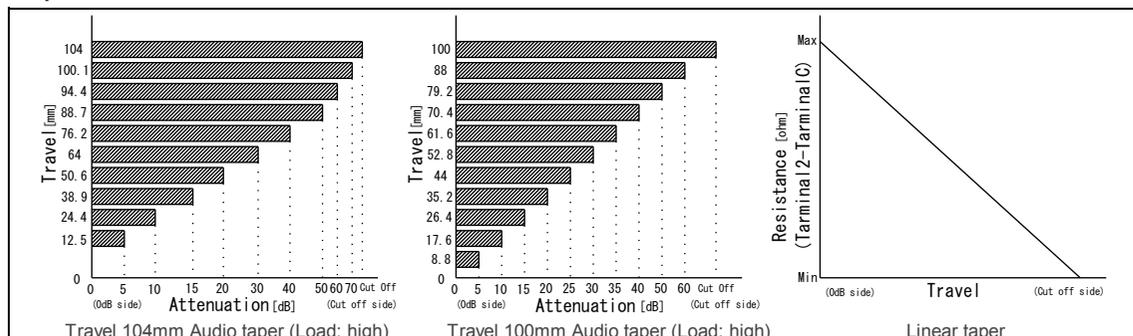
Frame and cover made by aluminum.



## Dimensions



## Output Law



The products and their specifications are subject to change without notice.  
TOKYO KO-ON DENPA CO., LTD. www.tkd-corp.com EDF-201607

## Model number

**2** Number of circuit  
**Blank:** single circuit  
**2:** 2circuits

**CPA-6100** Product type  
**CPA-6100:** 100mm  
**CPA-6200:** 104mm

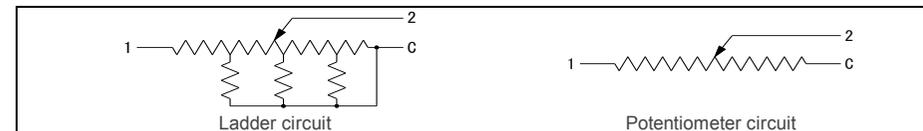
**W** Precision Snap Action Switch  
**Blank:** Without  
**W:** With

**- B** Taper  
**Blank:** Audio taper resistance  
**B:** Linear taper

**10K** Total  
resistance

\* Separate discussion is required for the vertical use.

## Circuit method



## Electrical specifications

	CPA-6x00	2CPA-6x00	CPA-6x00-B	2CPA-6x00-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	-		30ohm or less	
Attenuation accuracy (Load: high)	0~20dB: ±1.0dB (10dB: ±0.5dB) ~40dB: ±2.0dB		-	
Matching accuracy	-		0~15dB: 0.5dB ~30dB: 1.0dB ~40dB: 2.0dB	
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	DC20V			
Rated Resistive Load - Switch	AC125V 3A, DC30V 2A (OMRON D2F-F)			
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

	CPA-6100	CPA-6200
Stroke length	100mm±0.5mm	104mm±0.5mm
Operating force	0.1~0.25N	
Strength of Nut-Attached	20Ncm (Strength is weak, please be careful.)	
Attached Parts	M2.6 screw (Length: Panel thickness + 3~4mm)	
Stopper strength	50N	
Push-pull strength	50N	

## General specifications

CPA-6000 Series	
Temp.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.