

CPA-9000 Series

PROFADER™

Conductive Plastic

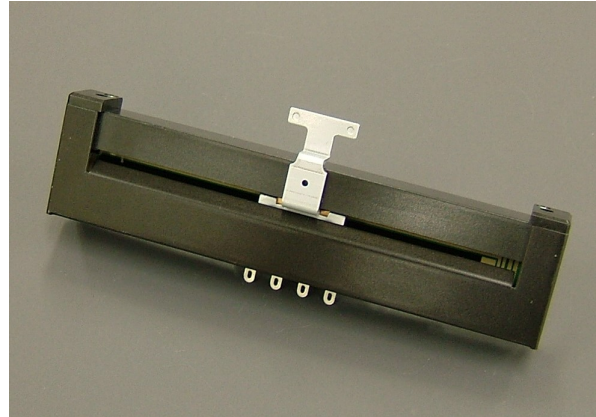
Low sliding noise level & Long sliding life

Good protection against dust

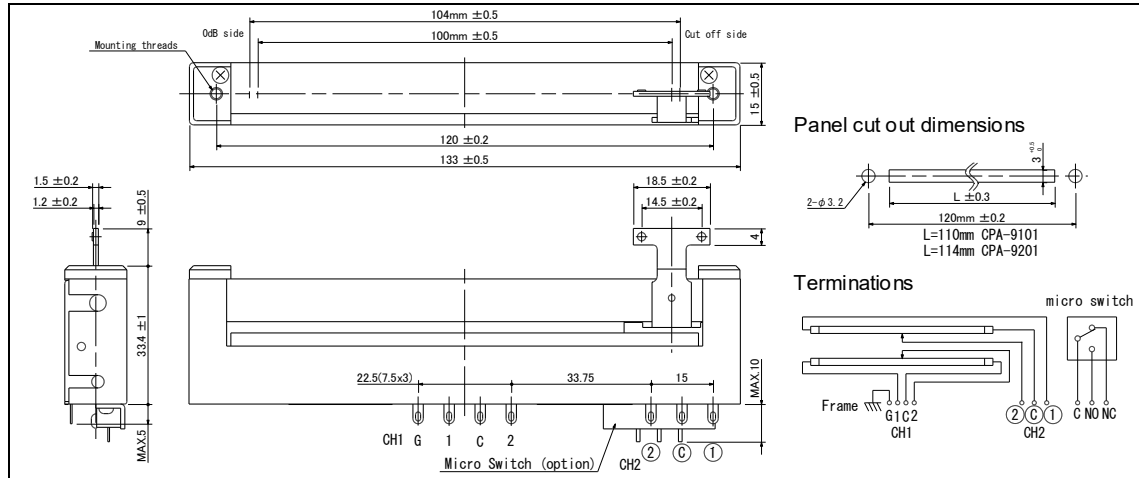
Horizontal style Control-bar design.

High Quality

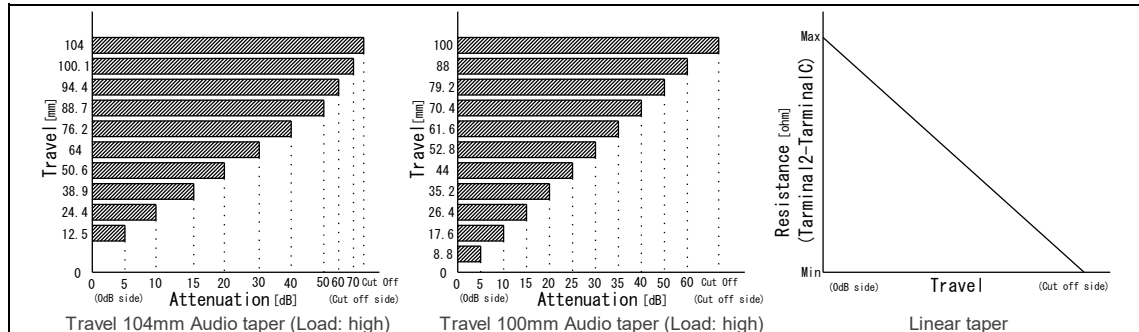
All parts are highly precise.



Dimensions



Output Law



Model number

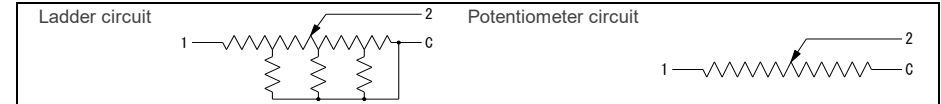
2 CPA-9101 C W - C - UNC - B 10K

Number of circuit: **Blank:** single, **2:** 2circuits
 Product type (Travel): *1 100mm, *2 104mm
 Mounting threads: **Blank:** M3, **UNC:** 4-40UNC
 Output law: **Blank:** Audio, **B:** Linear
 Total resistance: **10K**

*1	Operating force type	Blank: Normal torque, C: High torque
*2	Precision Snap Action Switch	Blank: Without, W: With
*3	Click option (*1 is not selectable.)	Blank: Without, C: Center click

* Only high torque type with CP-1 or CP-2 is applicable for the vertical use.

Circuit method (Unbalanced)



Electrical specifications

	CPA-9x01	2CPA-9x01	CPA-9x01-B	2CPA-9x01-B
Number of Circuit	1	2	1	2
Total resistance (1-C)	5k, 10kohm			
Total resistance tolerance	±20%			
Output law	Audio taper (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 (0.1W)			
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-9101	CPA-9201
Stroke length	100mm±0.5mm	104mm±0.5mm
Operating force	0.1~0.25N (Normal torque), 0.2~0.4N (High torque, Center click)	
Strength of Nut-Attached	100Ncm	
Attached Parts	M3 screw (Length: Panel thickness +3mm)	
Stopper strength	50N	
Push-pull strength	40N	

General specifications

CPA-9000 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.