

CPA-9000 Series

PROFADER™

Conductive Plastic

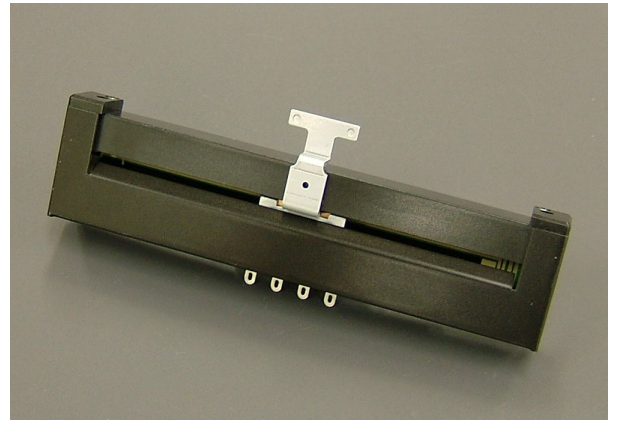
Low sliding noise level & Long sliding life

Good protection against dust

Horizontal style Control-bar design.

High Quality

All parts are highly precise.

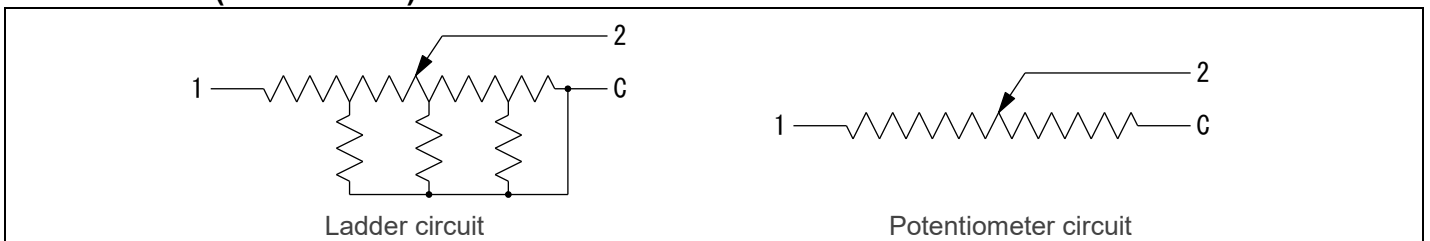


Model number

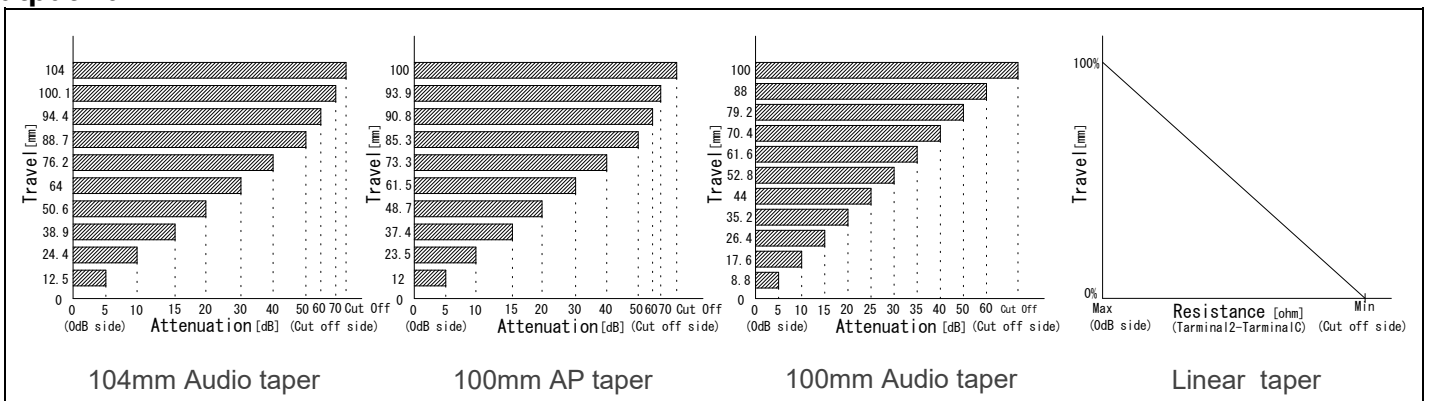
2 **CPA-9101** **C** **W** - **C** - **UNC** - **B** **10K**
 *1 *2 *3 *4 *5 *6 *7 *8

*1	Number of circuit	Blank: Single circuit 2: Two circuits
*2	Product number and Travel	CPA-9101: 100mm CPA-9201: 104mm
*3	Operating force	Blank: Standard C: High operating force *Only "High type" with CP-1 or CP-2 is applicable for the vertical use.
*4	Precision Snap Action Switch ("Center click" is not selectable.)	Blank: Without W: With
*5	Click option ("High torque" is not selectable.)	Blank: Without C: Center click (100mm and Linear taper only)
*6	Mounting threads	Blank: M3 UNC: 4-40UNC
*7	Output law (Please see figure of output law.)	Blank: Audio taper B: Linear taper AP: AP taper (100mm only)
*8	Total resistance	10K: 10kohm 5K: 5kohm

Circuit method (Unbalanced)



Output Law



Electrical specifications

	CPA-9101	2CPA-9101	CPA-9201	2CPA-9201	CPA-9101-AP	2CPA-9101-AP
Number of Circuit	1	2	1	2	1	2
Circuit method	Ladder circuit (Audio taper)				Ladder circuit (AP taper)	
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		0~15dB: 0.5dB ~30dB: 1.0dB ~40dB: 2.0dB	-	0~15dB: 0.5dB ~30dB: 1.0dB ~40dB: 2.0dB
Insertion loss	0.5dB or less					
Cut off (15kHz)	100dB Min.					

	CPA-9101-B	2CPA-9101-B	CPA-9201-B	2CPA-9201-B
Number of Circuit	1	2	1	2
Circuit method	Potentiometer circuit (Linear)			
Linearity	±5%			
Residual resistance	30ohm or less			

	CPA-9000 Series
Total resistance (1-C)	5k, 10kohm
Total resistance tolerance	±20%
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

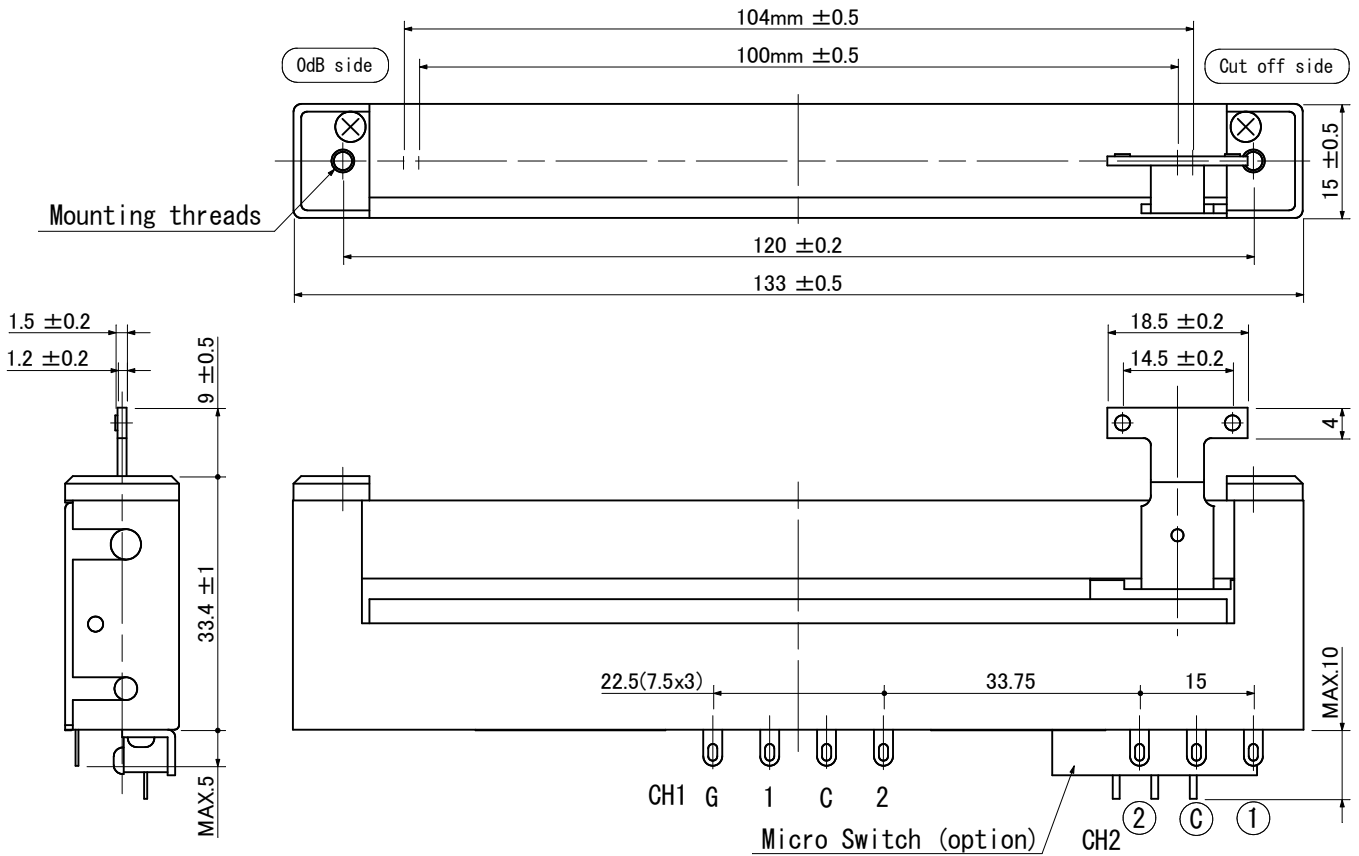
	CPA-9101 Series	CPA-9201 Series
Stroke length	100mm±0.5mm	104mm±0.5mm
Operating force	0.1~0.25N (Standard), 0.2~0.4N (High operating force, Center click)	
Strength of Nut-Attached	100Ncm	
Attached Parts	M3 screw / 4-40UNC screw (Length: Panel thickness +3mm)	
Stopper strength	50N	
Push-pull strength	40N	
Alignment to the center	±0.5mm (State not to pressure control-bar, Measurement position: Mounting surface)	

General specifications

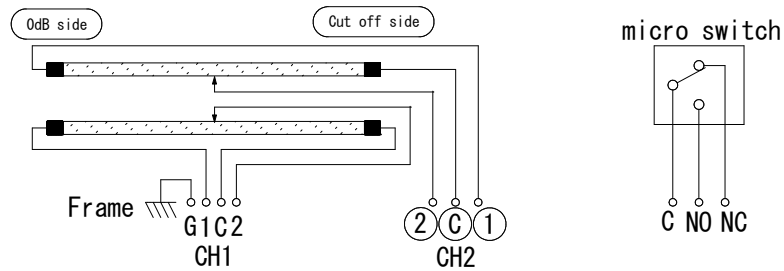
	CPA-9000 Series
Temperature range	-10 to +70 degrees C (Operating), -15 to +75 degrees C (Storage)
Relative humidity	90%RH (No condensation)

- 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.

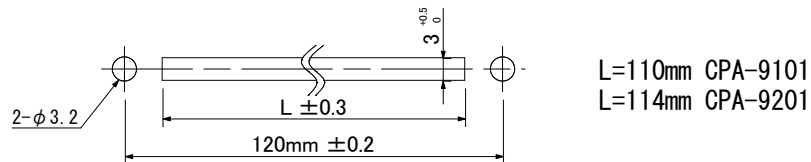
Dimensions



Terminations



Panel cut out dimensions



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