

# CPA-T-9000 Series

**PROFADER™**

## With touch sense track

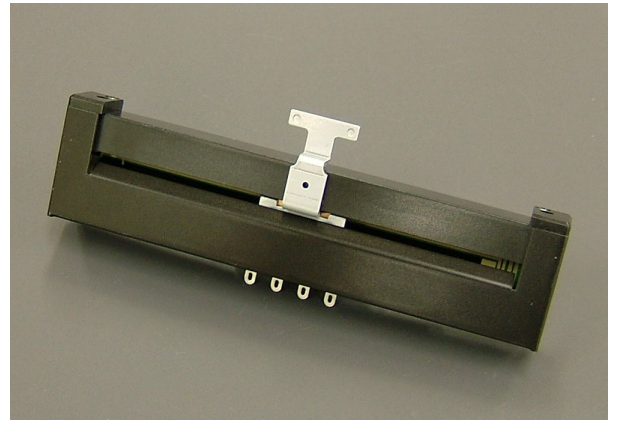
New manual fader with a touch sensor.

## Good protection against dust

Horizontal style Control-bar design.

## Conductive Plastic

Low sliding noise level & Long sliding life



### Model number

**CPA-T-910 1 W - UNC - B 10K**

\*1

\*2

\*3

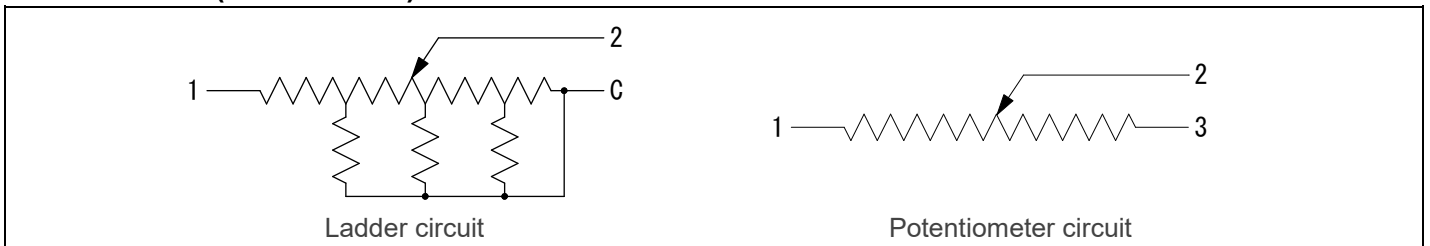
\*4

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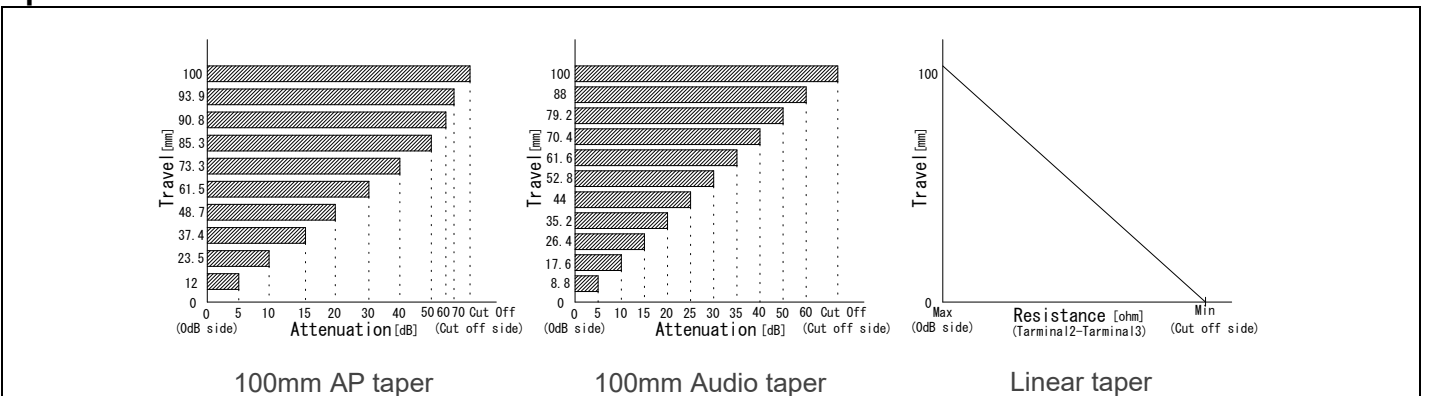
\*6

*1	Product number and Travel	<b>CPA-T-910</b> : 100mm
*2	Control-bar length (Please see dimensions "L".)	<b>1</b> : 9mm <b>2</b> : 11mm
*3	Precision Snap Action Switch ("Center click" is not selectable.)	<b>Blank</b> : Without <b>W</b> : With
*4	Mounting threads	<b>Blank</b> : M3 <b>UNC</b> : 4-40UNC
*5	Output law (Please see figure of output law.)	<b>Blank</b> : Audio taper <b>B</b> : Linear taper <b>AP</b> : AP taper
*6	Total resistance	<b>10K</b> : 10kohm <b>5K</b> : 5kohm

### Circuit method (Unbalanced)



### Output Law



## Electrical specifications

	CPA-T-910X-B	CPA-T-910X-	CPA-T-910X-AP
Number of Circuit	1	2	2
Circuit-1 method	Potentiometer circuit (Linear taper)		
Linearity	±5% (Circuit-1)		
Residual resistance	30ohm or less (Circuit-1)		
Circuit-2 method	-	Ladder circuit (Audio taper)	Ladder circuit (AP taper)
Attenuation accuracy (Load: high) (Circuit-2)	-	0~20dB: ±1.0dB (10dB: ±0.5dB) ~40dB: ±2.0dB	
Insertion loss	-	0.5dB or less (Circuit-2)	
Cut off (15kHz)	-	95dB Min. (Circuit-2)	
Total resistance (1-C, 1-3)	5k, 10kohm		
Total resistance tolerance	±20%		
Touch sense track Contact resistance	20ohm or less		
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-T-910X
Stroke length	100mm±0.5mm
Operating force	0.03~0.2N
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)

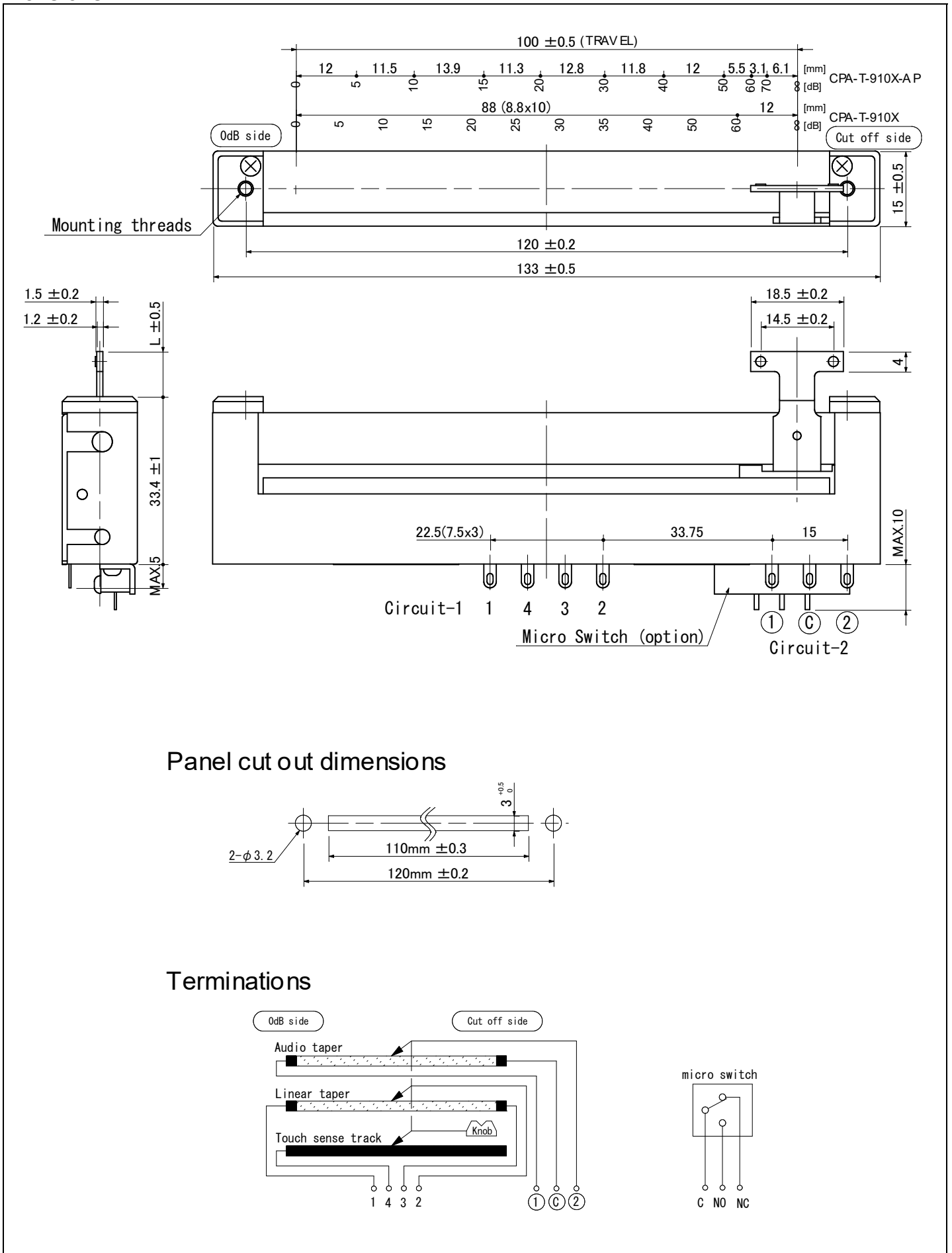
## General specifications

	CPA-T-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**



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