

MF-9101PFL Series

PROFADER™

Conductive Plastic

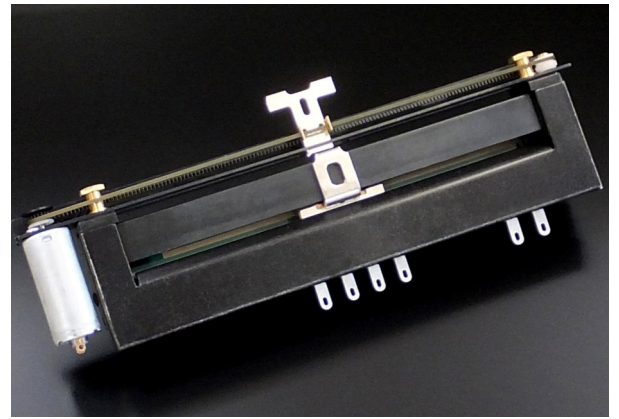
Low sliding noise level & Long sliding life

Good protection against dust

Horizontal style Control-bar design.

Pre-Fade Listen switch

Spring return switch and Track switch.

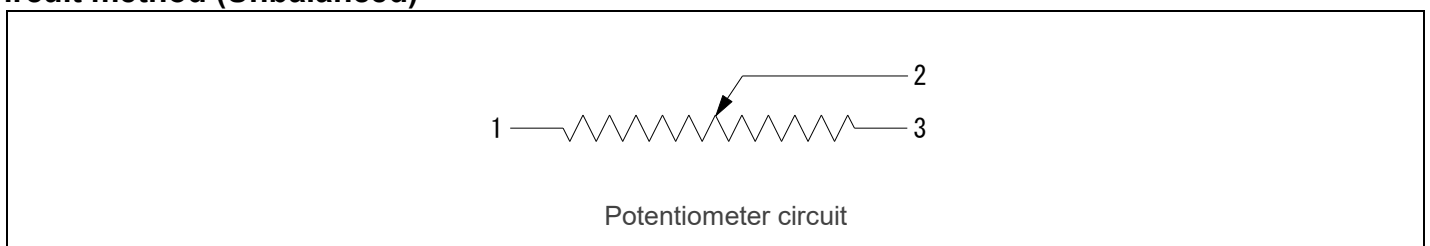


Model number

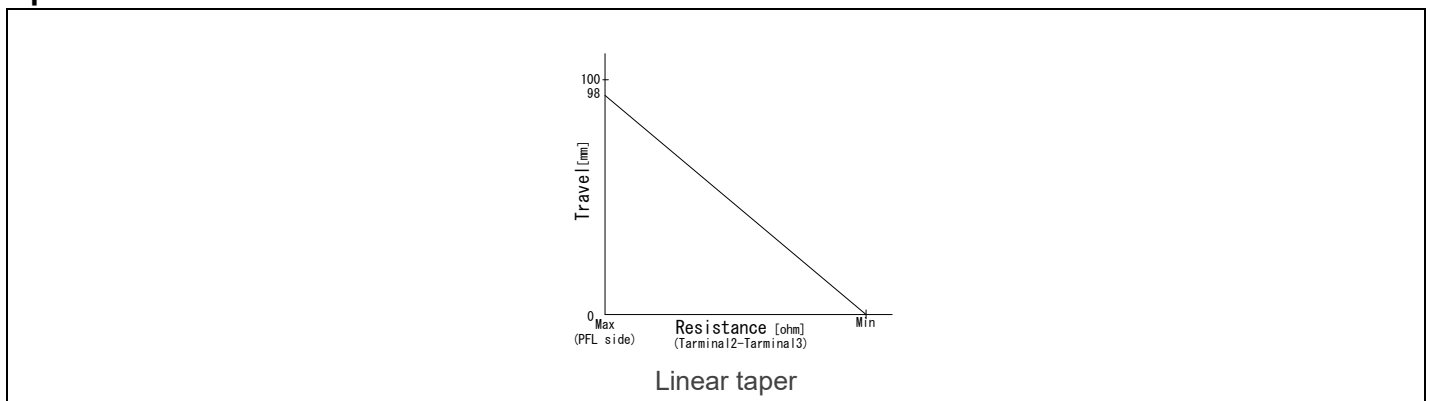
MF-9101 **PFL** - **B** **10K** - **J12**
*1 *2 *3 *4 *5

*1	Product number and Travel	MF-9101PFL : 100mm
*2	Pre-fade listen switch	PFL : With
*3	Output law	B : Linear taper
*4	Total resistance	10K : 10kohm 5K : 5kohm
*5	DC Motor type	J12 : Coreless motor M8V : Iron cored motor

Circuit method (Unbalanced)



Output Law



Electrical specifications

	MF-9101PFL-B
Circuit (Unbalanced)	1
Total resistance (1-3)	5k, 10kohm
Total resistance tolerance	±20%
Circuit method	Potentiometer circuit
Linearity	±5%
Residual resistance	30ohm or less
Touch sense track contact resistance	20ohm or less
PFL track switch contact resistance	50ohm or less
Voltage proof	1 Min. at AC500V
Insulation resistance	50Mohm or more at DC100V
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)
Drive motor data	Coreless motor — Input voltage: DC12V, Stall current: 0.55A or less (DC12V) Iron cored motor — Input voltage: DC5V - 11.5V (Nominal DC8V), Stall current: 0.5A or less (DC8V)

Mechanical specifications

	MF-9101PFL Series
Stroke length	100mm±0.5mm (Variable resistance 98mm + PFL switch 2mm)
Operating force	0.1~0.3N
PFL spring return switch push strength	5.5~7.0N
Strength of Nut-Attached	100Ncm
Attached Parts	M3 screw (Length: Panel thickness +3mm)
Stopper strength	40N
Push-pull strength	40N
Alignment to the center	±0.5mm (State not to pressure control-bar, Measurement position: Mounting surface)

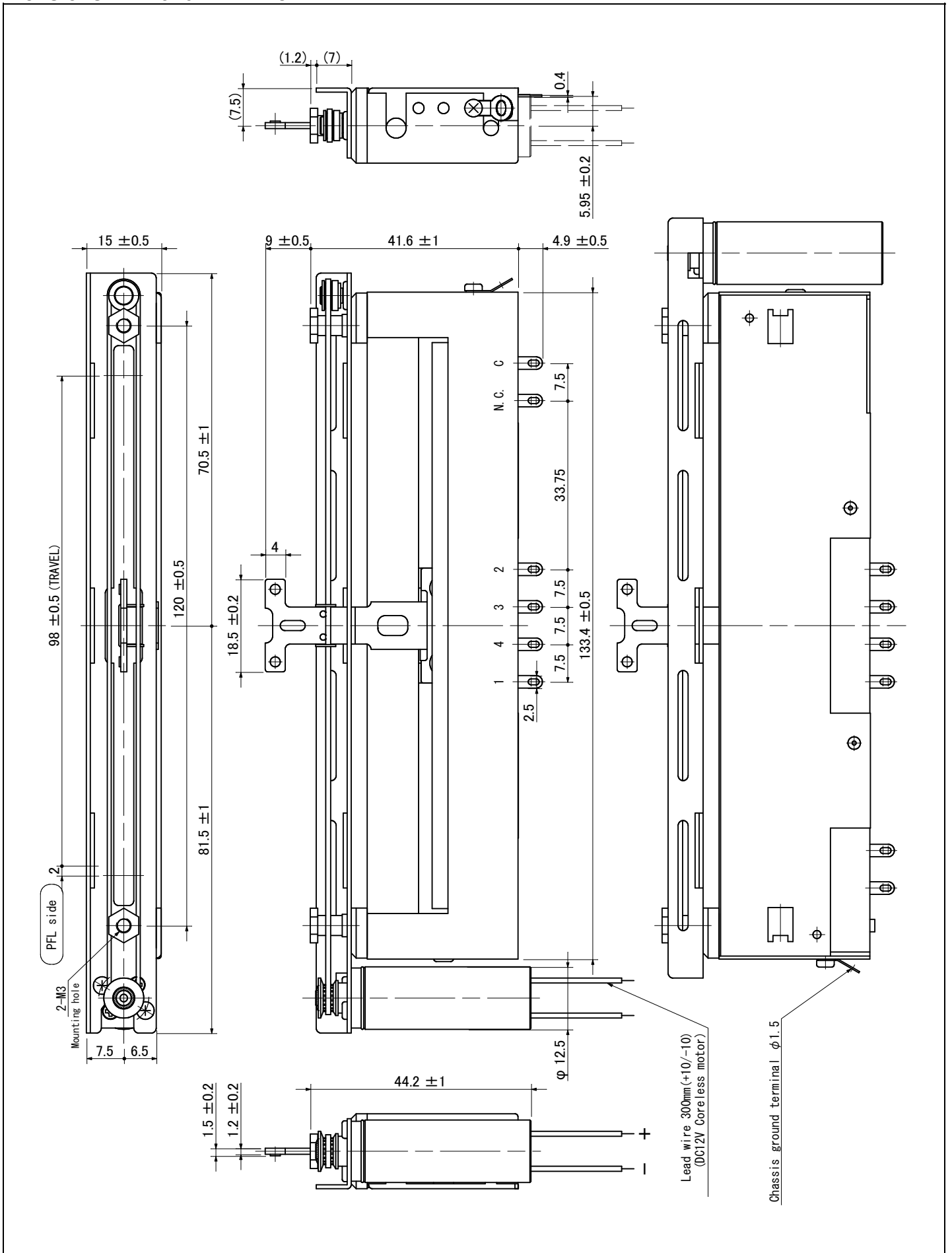
General specifications

	MF-9101PFL Series
Temperature range	-10 to +50 degrees C (Operating), -15 to +60 degrees C (Storage)
Relative humidity	80%RH (No condensation)

Note

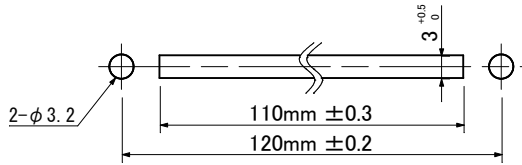
- * Solder heat resistance: 350deg C max, 5sec max, 2 times. (Manual soldering only)
- * Please take care during soldering that the smoke from the solder does not flow inside a fader.
- * If the flux sticks to a resistor board, it may cause a trouble with the fader.
- * Move to one end in Control-bar 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 - MF-9101PFL-**-J12

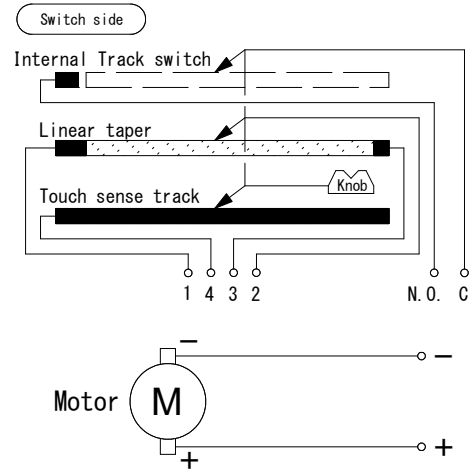


Dimensions - MF-9101PFL

Panel cut out dimensions

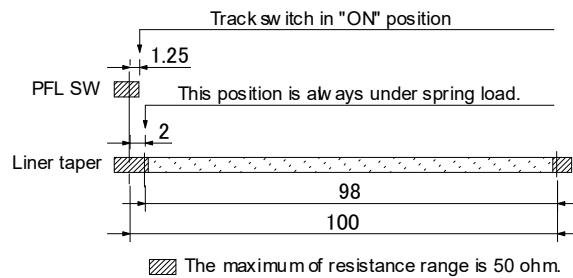


Terminations



Pre-fade Listen

Spring Returns switch to off when knobs is released.



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