MF-9101 Series

PROFADER™

Conductive Plastic

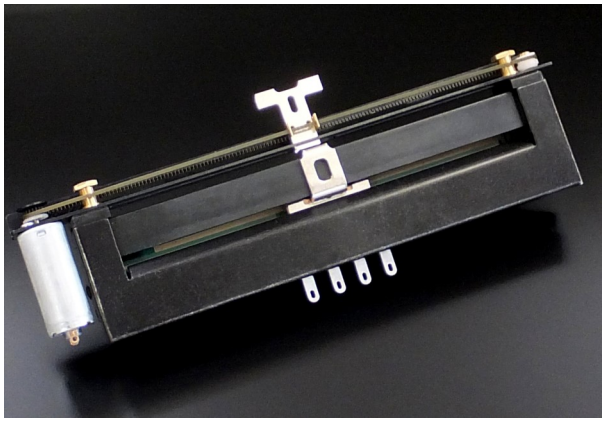
Low sliding noise level & Long sliding life

Good protection against dust

Horizontal style Control-bar design.

High Quality

All parts are highly precise.



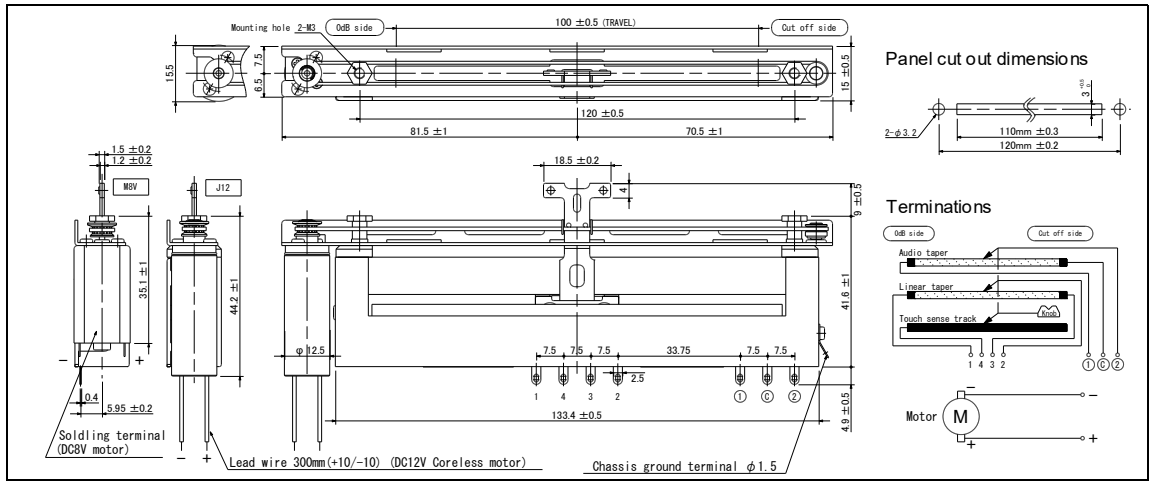
Model number

MF-9101 - B **10K - J12**

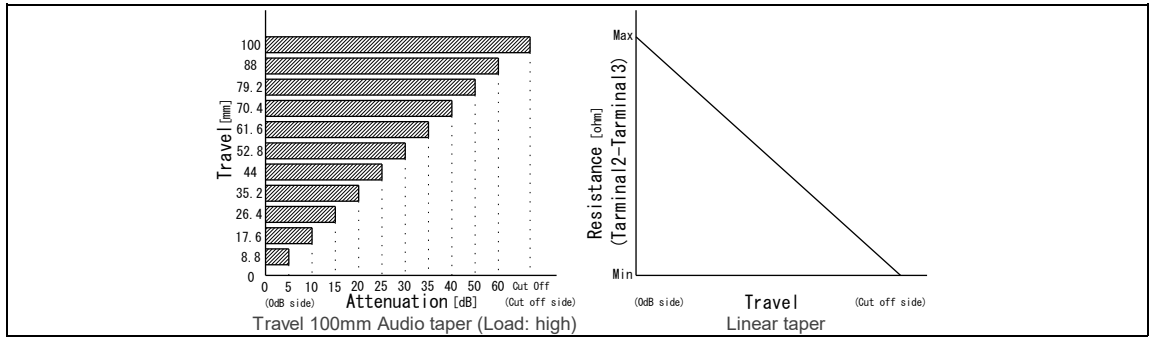
Product type	Taper **B**: Linear taper **A**: Liner taper + Audio taper	Total resistance	DC-motor **J12**: DC12V Coreless (NAMIKI) **M8V**: 8V DC motor (MABUCHI)

Circuit method

Dimensions



Output Law



Electrical specifications

	MF-9101-B	MF-9101-A
Circuit (Unbalanced)	1	2
Total resistance (1-C)(1-3)	5k, 10kohm	
Total resistance tolerance	±20%	
Taper	Linear (Potentiometer circuit)	Linear (Potentiometer circuit), Audio (Ladder circuit)
Linearity	±5% (Linear taper)	
Residual resistance	30ohm or less (Linear taper)	
Touch sense track Contact resistance	20ohm or less	
Attenuation accuracy (Load: high)	-	0~20dB: ±1.0dB (10dB: ±0.5dB) ~40dB: ±2.0dB (Audio taper)
Insertion loss	-	0.5dB or less (Audio taper)
Cut off (15Hz)	-	100dB Min. (Audio taper)
Voltage proof	1 Min. at AC500V	
Insulation resistance	50Mohm or more at DC500V	
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)	

Mechanical specifications

	MF-9101
Stroke length	100mm±0.5mm
Operating force	0.1~0.3N
Strength of Nut-Attached	100Ncm
Attached Parts	M3 screw (Length: Panel thickness + 3~5mm)
Stopper strength	40N
Push-pull strength	40N

General specifications

	MF-9101 Series
Temp.range	-10 to +50 deg C (Operating), -15 to +60 deg 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.

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

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