

LMH5 Series

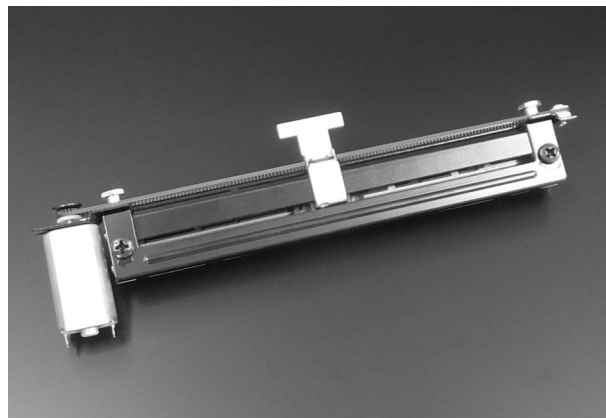
PROFADER™

Direct print resistance board

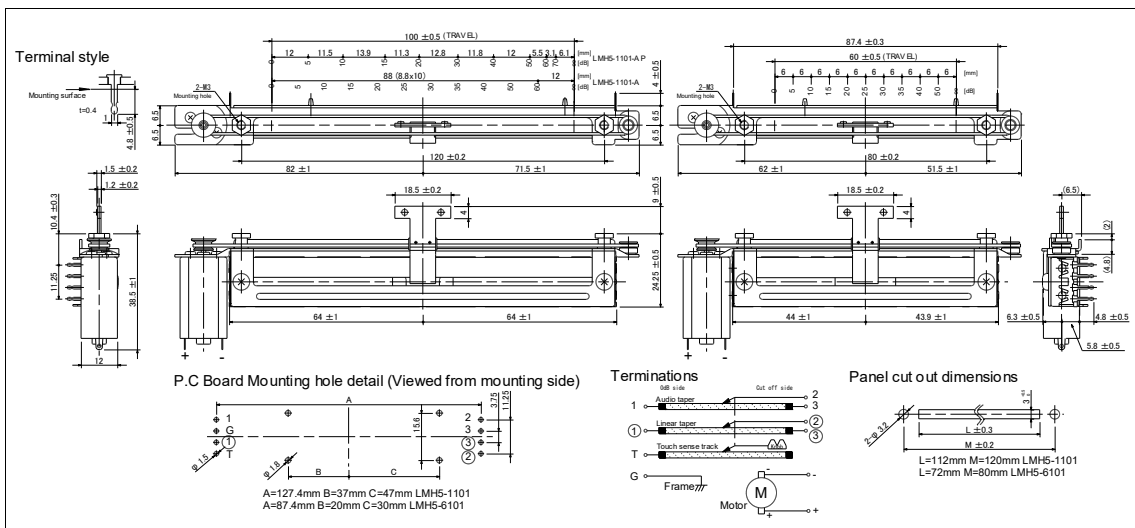
Long sliding life

Protection against dust

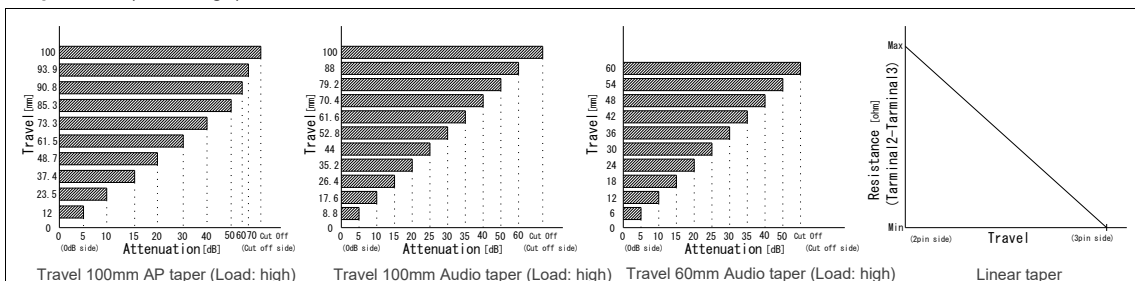
Horizontal style Control-bar design.



Dimensions



Output Law (Load: high)



Model number

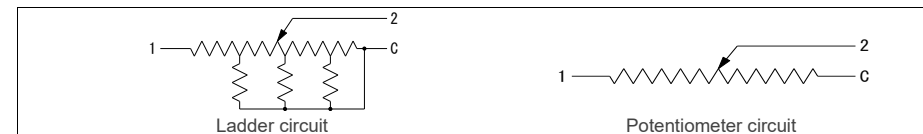
LMH5 - **1101** - **B** - **10K** - **M8V**

Product type Travel Taper Total resistance DC-motor

1101: 100mm **B**: Linear taper **10K** **M8V**: 8V DC motor (MABUCHI)

6101: 60mm **A**: Linear + Audio taper **AP**: Linear + AP taper (100mm only)

Circuit method



Electrical specifications

	LMH5-1101-B	LMH5-6101-B	LMH5-1101-A(AP)	LMH5-6101-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	50ohm or less (Linear taper)			
Touch sense track Contact resistance	30ohm or less			
Attenuation accuracy (Load: high)	-	0~20dB: ±3.0dB (Audio taper)		
Insertion loss	-	0.5dB or less (Audio taper)		
Cut off (15kHz)	-	95dB Min. (Audio taper)		
Voltage proof	1 Min. at AC500V			
Insulation resistance	50Mohm or more at DC100V			
Max rating	DC20V (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

	LMH5-1101	LMH5-6101
Stroke length	100mm±0.5mm	60mm±0.5mm
Operating force	0.1~0.3N	
Strength of Nut-Attached	100Ncm	
Attached Parts	M3 screw (Length: Panel thickness + 3~5mm)	
Stopper strength	30N	
Push-pull strength	30N	

General specifications

	LMH5 Series
Temp.range	8V DC motor: -10 to +50 degs.C (Operating), -15 to +60 degs.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.
- * High impedance: More than 20 times of total resistance.
- * It is highly recommended that the fault tolerant system is to be set up in the big situation like the live broadcast.