

CMA-6101 Series

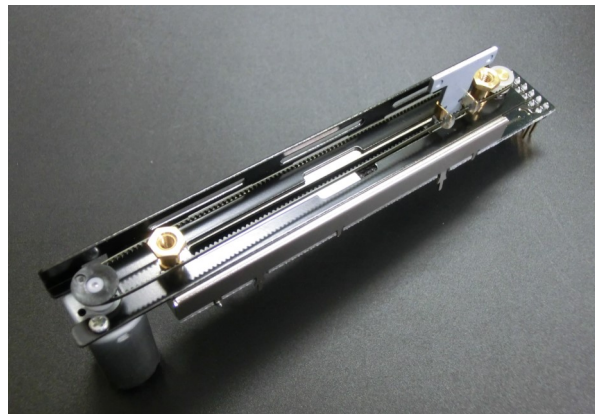
CONTROLLER

Non-contact

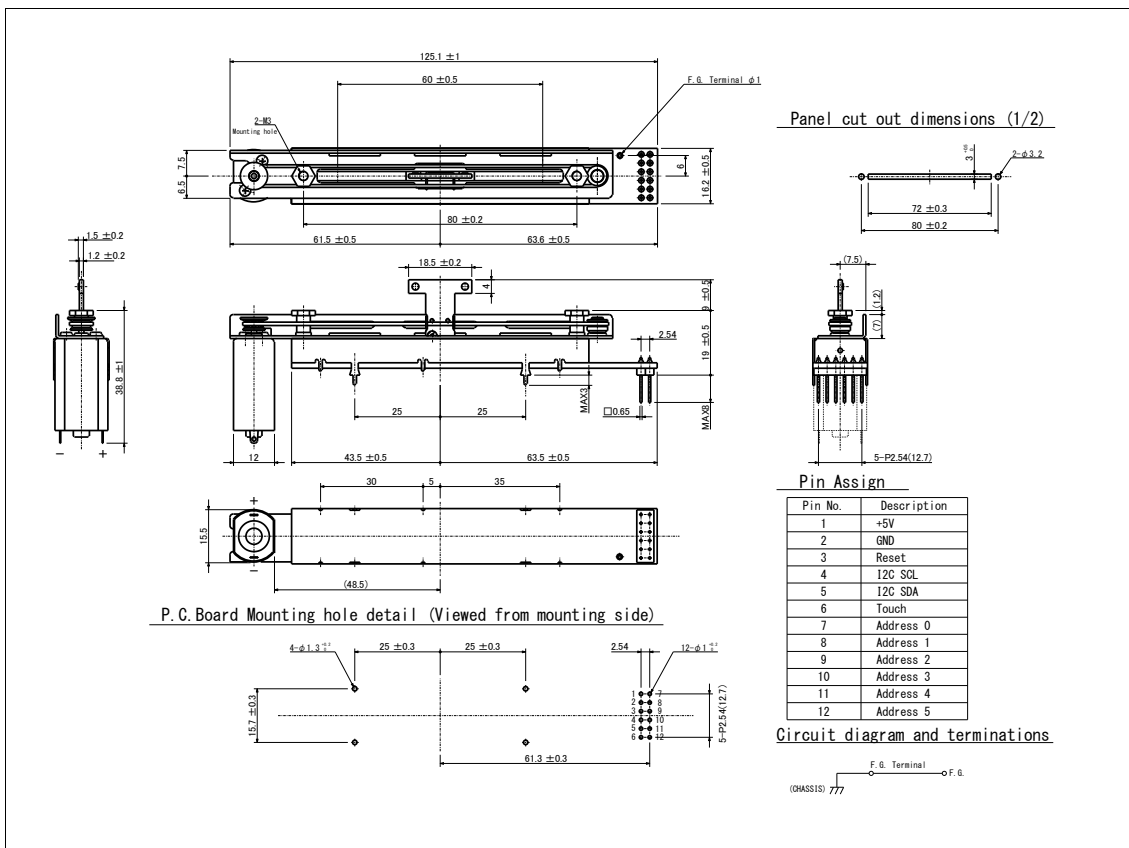
Long-term stability

Digital output

Facilitated in handling



Dimensions



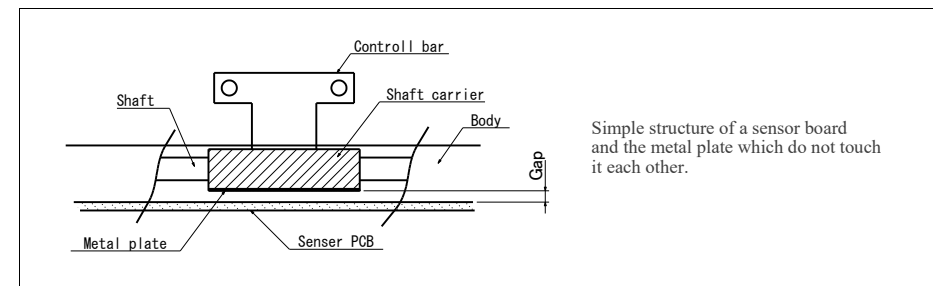
Model number

CMA-6101 - M8V

Product type
CMA-6101: 60mm

DC-motor
M8V: 8V DC motor
(MABUCHI)

Structure



Electrical specifications

CMA-6101	
Sensor system	Electrostatic capacitance type sensor
Output value	Incremental type
Communication system	I ² C Slave
Operating voltage	5V: ±0.25V
Max. operating current	4mA Max. (Motor drive electricity is excluded.)
Resolution	8bit (0~255)
Output Law	1bit = 60mm/256 (Linear)
Bit error	±2bit
Voltage proof	1 Min. at AC100V
Insulation resistance	50Mohm or more at DC100V

Mechanical specifications

CMA-6101	
Stroke length	60mm±0.5mm
Operating force	0.1~0.3N
Strength of Nut-Attached	100Ncm
Attached Parts	M3 screw (Length: Panel thickness + 3~4mm)
Stopper strength	30N
Push-pull strength	30N

General specifications

CMA-6101	
Temp.range	-10 to +70 deg C (Operating), -15 to +75 deg C (Storage)
Relative humidity	90%RH (No condensation)

Note

- * Non-waterproof.
- * Solder heat resistance: 350deg C max, 5sec max, 2 times. (Manual soldering only)
- * Do not give severe shocks.
- * Move to one end in Control-bar on the occasion of knob wearing, and can break into it slowly.

