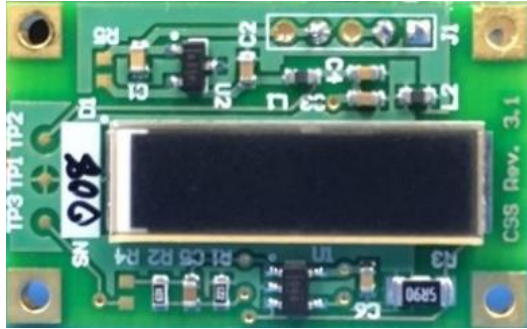


MAI Sun Sensor

Stock #: MAI-000-00006000



The MAI Sun Sensor can be used for a variety of spacecraft missions requiring sun detection. The output of the MAI Sun Sensor is an analog voltage range which can be fed into a microcontroller ADC. It can also be fed to some signal conditioning circuitry to obtain an amplified voltage output of up to 3.3 or 5V.

MAI Sun Sensors are sold in packs of 6 and are available in two sizes: SmallSat or CubeSat.

Specifications

Performance Item	Specification
SmallSat Sun Sensor	
Dimensions	50.80 x 19.05 x 2.03 mm
Mass	5.5 g
Output	0 to 250 mV
Scaling Resistor	6.8 k Ω
Mounting Holes	4-40 screws
CubeSat Sun Sensor	
Dimensions	27.94 x 17.14 x 2.03 mm
Mass	3.5 g
Output	0 to 390 mV
Scaling Resistor	5.9 Ω
Mounting Holes	4 x 0-80 Button Head Socket Cap Screws
Powered Sun Sensor (optional)	
Power Required	5 mW (3.3V or 5V)
Output	0 to 3.3 V or 0 to 5 V

