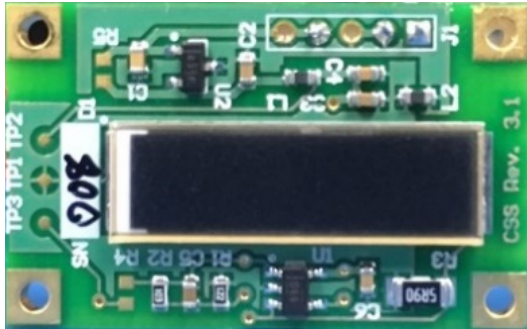


MAI Sun Sensor

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 |

