

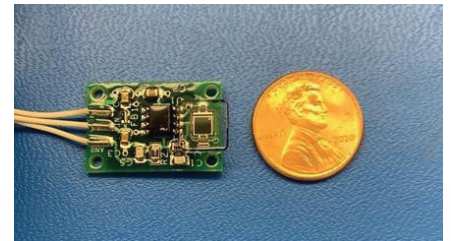
# MICRO SUN SENSOR



The smallest sun sensor in the Redwire product portfolio, the Micro Sun Sensor can be used for a variety of spacecraft missions requiring sun detection.

One of the smallest sun sensors available on the marketplace today, the Micro Sun Sensor provides a cosine output of the sun angle for small satellite applications. The product offers these advantages:

- + Extremely low mass
- + Low power requirement
- + Sensor provides UV and RAD tolerant device for sun angle applications



The Micro Sun Sensor can be used for a variety of spacecraft missions requiring sun detection. The output of the Micro Sun Sensor is analog voltage range from 0 to 2.1 V, which can be fed into a microprocessor ADC.

A single sun sensor can provide sun presence information. A group of sun sensors appropriately mounted can provide coarse sun angle data and polarity.

## PARAMETERS

### MICRO SUN SENSOR

**23 MM X 15.3 MM X 6 MM**

Dimensions:

**< 2 GRAMS**

Mass w/o wires w/glass:

**4 X 0-80 BUTTON HEAD SCREWS**

Mounting Holes:

**3.3 V OR 5 V**

Supply Voltage:

**< 15 MW**

Power Required:

**0 – 2.1 V**

Output @ 1 Solar Constant:

**± 85° MINIMUM**

Field of View (FOV):

Sun Sensors are export controlled through an ECCN (Export Control Classification Number) issued by the United States Department of Commerce, ECCN 7A104. Export shipment requires successful application for an export license.



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