



FINE SUN SENSOR ($\pm 50^\circ$)

RAD-HARD Hi-REL

Redwire Fine Sun Sensors are used in attitude control applications where sub-arcminute accuracy and millidegree angular resolution are required.

Redwire Fine Sun Sensors are designed in single or two-axis configurations.

Each sensor can be custom designed to meet specific performance requirements for Field of View (FOV), accuracy, resolution, and other key parameters.



Redwire Fine Sun Sensors have flown on more than 100 spacecrafts; applications include high accuracy attitude determination, payload instrument pointing, and gyro updates.

Radiation: The standard $\pm 50^\circ$ Fine Sun Sensor is rad hard to 100 krad (Si) by design. An option for 150 krad is available. A separate option for 300 krad is also available.

PARAMETERS

100° X 100° (EACH SENSOR)

Field of View

$\pm 0.01^\circ$ TO $\pm 0.05^\circ$

Accuracy

0.001° TO 0.004°

LSB Size



MADE IN THE USA

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CONFIGURATION

1 (EACH SENSOR) NOTE: THE TWO SENSORS CAN BE MOUNTED ORTHOGONALLY AND TOGETHER FUNCTION AS A 2-AXIS SUN SENSOR.

Number of Measurement Axes

2 NOTE: ADDITIONAL SENSORS CAN BE PARALLELED AS LONG AS THEIR FIELDS OF VIEW DO NOT OVERLAP.

Number of Sensors

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.

For more information about our space capabilities,

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HERITAGE

Redwire is a new leader in mission critical space solutions and high reliability components for the next generation space economy. With decades of flight heritage combined with the agile and innovative culture of a commercial space platform, Redwire is uniquely positioned to assist its customers in solving the complex challenges of future space missions. For more information, please visit www.redwirespace.com.

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