

SPACECRAFT SYSTEMS

Dual-Axis Micro Analog Solar Sensor

The dual-axis micro analog solar sensor uses four silicon photodiodes as the sensing elements to measure the solar incident angle in two axes.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS	
Model	C-SS-SiC-Ana/B-2B
Measurement Accuracy	< 0.5°
Flight Heritage	First flight in 2015
Application	Microsatellite
Dimensions (mm)	40 × 34.5 × 13.5
Weight (g)	37
Mounting Material	LY12 BCZYu
Operating Temperature (°C)	-100 to +90
Storage Temperature (°C)	-105 to +105
Communication Interface	Analog current signal output

Quick Overview

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Key Specifications

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Key Features

- Low cost and high reliability.
- Lightweight and compact design.

- Wide operating temperature range and strong radiation resistance.

Applications

- Used in microsatellite systems for sun vector measurement and solar array attitude detection.

Documentation & Resources

- [Technical Specifications](#)
- [Applications](#)