SPACECRAFT SYSTEMS

Monolithic Solar Sensor

The monolithic solar sensor uses an APS image sensor as the photoelectric conversion detector.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS	
Model	C-SS-SiC-ANA/B-2B
Measurement Accuracy	0.05° (3σ)
Flight Heritage	Completed qualification
Application	Low Earth Orbit satellites
Dimensions (mm)	35 × 35 × 15
Weight (g)	50
Mounting Material	2A12 T4
Operating Temperature (°C)	−30 to +45
Storage Temperature (°C)	−35 to +55
Data Update Rate	≥15 Hz
Communication Interface	RS-422 / CAN
Design Life	2 years

Quick Overview

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Key Specifications

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Key Features

- Low-cost design and implementation.
- Integrated opto-electronic structure with high integration.
- Lightweight and compact design.
- High adaptability to space environmental conditions.

Applications

- Used for solar vector detection and attitude determination in low-orbit satellite systems.

Documentation & Resources

- Technical Specifications
- Applications