

SPACECRAFT SYSTEMS

Micro Star Sensor

The star sensor determines satellite attitude by capturing and identifying star images.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS	
Model	C-ST-MA-APS4-1
Measurement Accuracy	3" (3σ)
Flight Heritage	First flight in 2016
Application	Micro and nanosatellites
Dimensions (mm)	86 × 85 × 208
Weight (g)	900
Mounting Material	2A12 T4
Communication Interface	RS-422
Storage Temperature (°C)	-20 to +50
Operating Temperature (°C)	-25 to +55
Data Update Rate	—
Design Life	5 years

Quick Overview

The star sensor determines satellite attitude by capturing and identifying star images.

Key Specifications

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Key Features

- High manufacturing precision with rapid mass-production capability.
- Miniaturized modular design with high thermal and structural integration.
- Lightweight, compact, and low-power consumption.
- Advanced technical performance indicators.

Applications

- Used for high-precision attitude determination in micro and nanosatellite platforms.

Documentation & Resources

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