

SPACECRAFT SYSTEMS

Nano Star Sensor

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

TECHNICAL SPECIFICATIONS

SPECIFICATIONS	
Model	C-ST-MA-APS1-1A
Measurement Accuracy	10"
Flight Heritage	First flight in 2017
Application	Micro and nanosatellites
Dimensions (mm)	40 × 42 × 86
Weight (g)	108
Mounting Material	2A12-H112
Operating Temperature (°C)	-30 to +45
Storage Temperature (°C)	-35 to +55
Communication Interface	CAN / RS-422 / I²C

Quick Overview

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Key Features

- Precision manufacturing with rapid mass-production capability.
- Miniaturized modular design with excellent thermal and structural integration.
- Lightweight, compact, and low power consumption.

- Advanced technical performance indicators.

Applications

- Used for precision attitude determination in nano and microsatellite platforms.

Documentation & Resources

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