

SPACECRAFT SYSTEMS

Long-Life Nano Star Sensor

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

TECHNICAL SPECIFICATIONS

SPECIFICATIONS	
Model	C-ST-MA-ASP1-1D
Measurement Accuracy	5" (3σ)
Flight Heritage	Completed qualification
Application	Medium Earth Orbit satellites
Dimensions (mm)	56 × 56 × 150
Weight (g)	150
Mounting Material	2A12-H112
Communication Interface	CAN / RS-422 / I²C
Operating Temperature (°C)	−30 to +45
Storage Temperature (°C)	−35 to +55
Design Life	5 years

Quick Overview

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Key Features

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

Applications

- Used for high-precision attitude determination in medium-orbit and long-lifespan nanosatellite missions.

Documentation & Resources

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