

SPACECRAFT SYSTEMS

Long-Life Micro Star Sensor

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

TECHNICAL SPECIFICATIONS

SPECIFICATIONS	
Model	C-ST-HA-APS7-1
Measurement Accuracy	5" (3σ)
Flight Heritage	Completed qualification
Application	Commercial satellite constellations
Dimensions (mm)	100 × 100 × 132
Weight (g)	480
Mounting Material	2A12 T4
Communication Interface	RS-422
Operating Temperature (°C)	−20 to +50
Storage Temperature (°C)	−25 to +55
Design Life	15 years

Quick Overview

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Key Features

- High cost-performance ratio.
- Long operational lifetime.
- Lightweight and compact design.
- Advanced and stable technical performance indicators.

Applications

- Used for high-precision attitude determination in long-lifespan satellites operating in medium and low Earth orbits.

Documentation & Resources

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