

SPACECRAFT SYSTEMS

Micro-Nano Flywheel and Magnetic Torquer Assembly

Both flywheels and magnetic torquers are key actuators in satellite attitude control systems.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS	
Model	C-AOWM-3-3-1A
Rated Torque	0.4 mN·m·s
Flight Heritage	Completed in 2015
Application	Nanosatellite
Dimensions (mm)	90 × 90 × 40
Weight (g)	≤ 380
Operating Temperature (°C)	-5 to +45
Storage Temperature (°C)	-10 to +50
Communication Interface	CAN

Quick Overview

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Key Specifications

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Key Features

- Low-cost design and implementation technology.
- Integrated electromechanical design with high compactness.
- Lightweight, small size, and low power consumption.
- Excellent adaptability to space environments.

Applications

- Used in nanosatellite attitude control systems integrating torque and momentum management functions.

Documentation & Resources

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