

SPACECRAFT SYSTEMS

090 Digital Reaction Wheel

The reaction wheel is a key actuator in satellite attitude control systems.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS	
Model	C-SRWMI-090-0.1A
Rated Momentum	0.12 N·m·s
Flight Heritage	First flight in 2016
Application	Microsatellite
Dimensions (mm)	101 × 101 × 82
Weight (g)	≤ 750
Operating Temperature (°C)	-5 to +45
Storage Temperature (°C)	-10 to +50
Communication Interface	RS-422 or CAN

Quick Overview

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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 for precision attitude control and momentum management in microsatellite attitude control systems.

Documentation & Resources

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