

SPACECRAFT SYSTEMS

Tiny Satellite Position-Controlled Propulsion Module

The Tiny Satellite Position-Controlled Propulsion Module is a compact monopropellant propulsion system using non-toxic ADN-based propellant. Designed for micro and small satellite constellations, it enables efficient orbit and attitude control with rapid integration, batch production capability, and cost-effective deployment.

TECHNICAL SPECIFICATIONS

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Dimensions (mm)	600 × 400 × 400
Dry Mass (kg)	3.6
Propellant	ADN
Operating Temperature (°C)	0–50
Storage Temperature (°C)	–5–55

Quick Overview

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Key Specifications

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Key Features

- Monopropellant propulsion system.
- Utilizes a green, non-toxic ADN propellant.
- Supports pre-integration and modular delivery configuration.

Applications

- Successfully applied in the **NX-1 satellite**, meeting the requirements of small satellite constellation deployment, rapid integration, and low-cost assembly with proven flight experience.

Documentation & Resources

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