

SPACECRAFT SYSTEMS

Small Satellite Positional Orbit Control Propulsion Module

The Small Satellite Positional Orbit Control Propulsion Module adopts a monopropellant propulsion system utilizing green, non-toxic propellants such as HAN or ADN. It features a blowdown mode with a single-tank configuration, ensuring compact structure, safety, and ease of integration for small satellite orbit and attitude control missions.

TECHNICAL SPECIFICATIONS

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Dry Mass (kg)	5.7
Propellant	HAN / 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.
- Uses non-toxic HAN or ADN propellant.
- Blowdown mode with single-tank structural design.

Applications

- Successfully applied in the **KX-1N satellite**, demonstrating proven in-orbit flight performance.

Documentation & Resources

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