

SPACECRAFT SYSTEMS

1 N Single-Component Thruster Assembly

The 1 N Single-Component Thruster is a critical actuator for satellite attitude and orbit control, designed for commercial aerospace applications. It offers high reliability, long service life, and cost efficiency, supporting batch production for constellation missions and on-orbit propulsion platforms.

TECHNICAL SPECIFICATIONS

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Dimensions (mm)	Ø58 × 128
Mass (g)	300 ± 20
Propellant	Hydrazine
Specific Impulse	200 s
Design Life	15 years
Valve Drive Voltage	28 ± 3 V DC

Quick Overview

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Parameter	Value
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Key Features

- High reliability and low cost.
- Excellent adaptability to space environments.
- Compatible with on-orbit application platforms.

Applications

- Used for **small satellite** attitude and orbit control in **on-orbit propulsion platforms**, with proven flight heritage and high-volume production capability.

Documentation & Resources

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