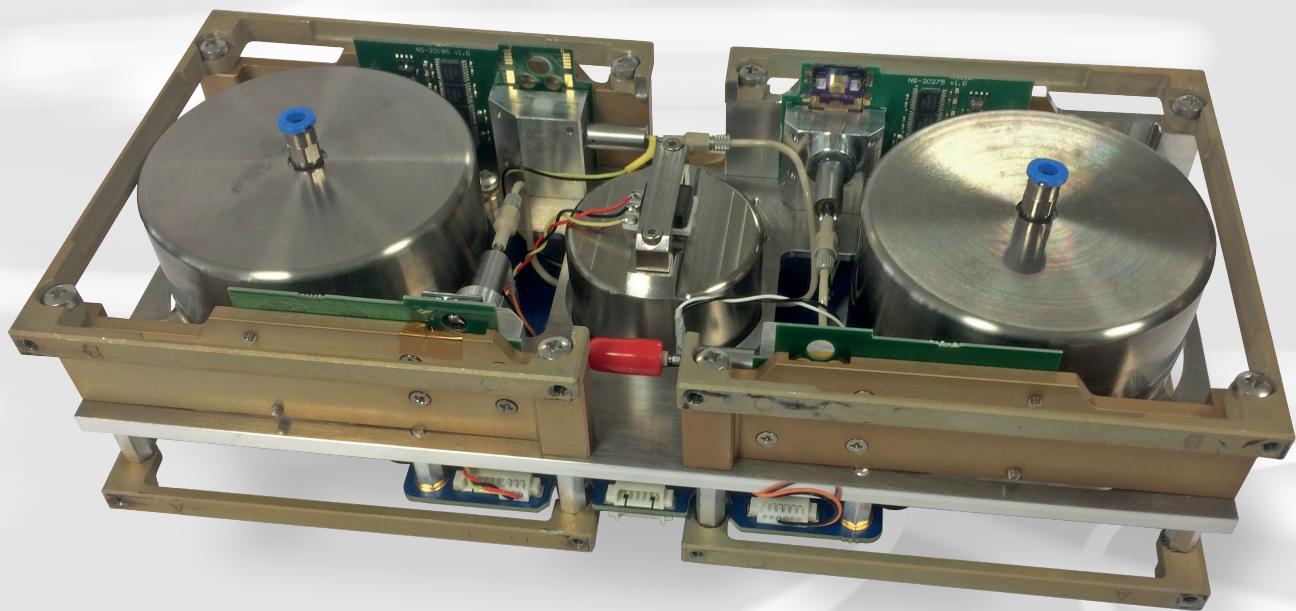


NanoProp 6U



NanoProp 6U

Propulsion Module for 6U nanosatellites:

- Cold Gas compact propulsion unit
- Compatible with standard 6U platform
- Based on flight proven technology

Highlighted Technical Features

Configuration:

- 4 Individual thrusters
- 2 Separate Main Tanks
- Closed-loop thrust control
- Real time thrust measurement
- Propellant: Butane
- Propellant safety barriers: Min 2

Specifications:

- Thrust: 1mN or 10mN (4x)
- Thrust resolution: 10 µN or 100 µN
- Specific impulse: 60-110 sec
- Total impulse 80 Ns
- Power consumption < 2W (average)
- Operating pressure: 2-5 bar
- Temperature range 0° to 50°C

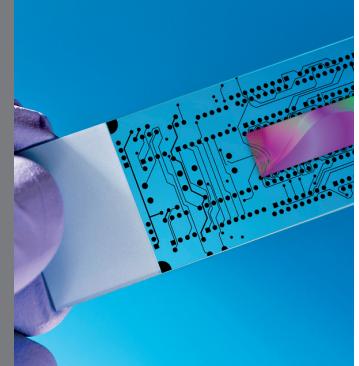
Interfaces:

- Communication: CAN, I2C
- Protocol: CSP (optional)
- Supply voltage: 5 VDC and 12 VDC
- Maximum Current: < 1.5 A

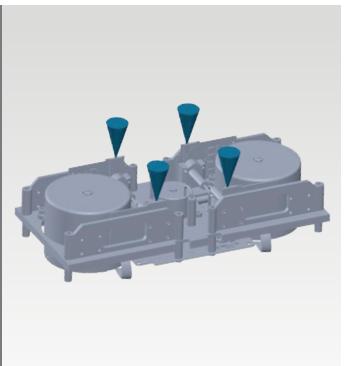
Mechanical Features:

- Dimensions 200 x 100 x 50 mm³, (including electronics board)
- Interface: 8x M3 (PC/104 spec)
- Mass (dry/wet) 770/900 g

Proportional & precise closed loop thrust control to support proximity operations and precise formation flying.



Optimised configuration for integration in 6U satellites. Alternative configurations available for other sizes on request.



Product based on proprietary Micro-Electrical-Micro-Mechanical-Systems (MEMS) technology.

