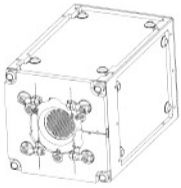


NPT30-I2 1U

SMART PROPULSION WITH IODINE PROPELLANT



ThrustMe's NPT30 family are fully integrated propulsion system based on the gridded ion thruster technology. They have a modular design, and include the ion thruster, the PPU, the propellant storage, feed system as well as passive thermal management and intelligent operation control. The I2 versions use solid iodine propellant, are delivered pre-filled and remain non-pressurized during launch. Use of iodine also avoids sloshing and provides geometrical design flexibility to accommodate platform requirements. The 1U version provides up to 5500 Ns of total impulse, and 1.1 mN of thrust.

PRODUCT INFORMATION



NPT30-I2 1U

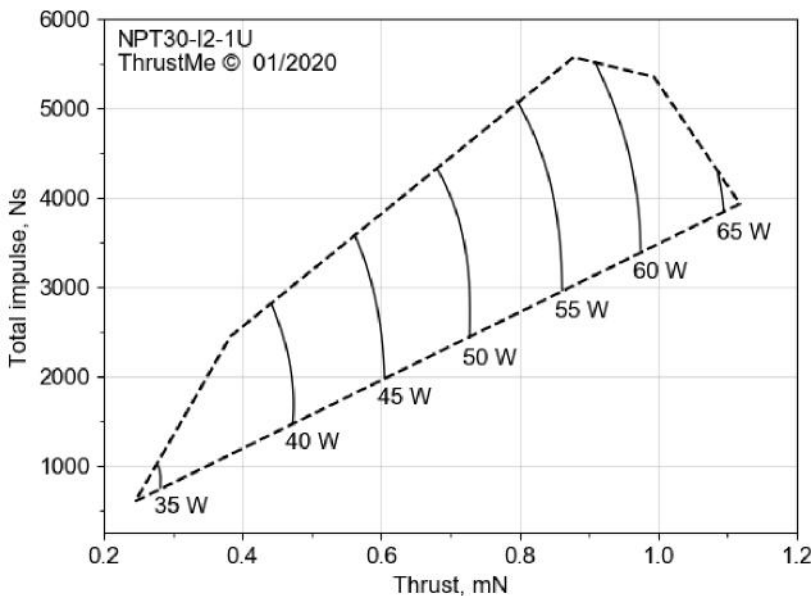
ADVANTAGES

- ✓ Off the shelf and tailoring options
- ✓ Embedded high speed intelligence
- ✓ Short lead time batch production

PERFORMANCE & SPECIFICATIONS

Thrust	0.3 - 1.1 mN
Total impulse	Up to 5500 Ns
Form Factor	1U
Total wet mass	1.2 kg
Total power	35-65 W

PERFORMANCE MAP



INTERFACE

Input Voltage	12 - 28 V
Bus interface	I ² C, CAN

QUALIFIED FOR

Interface temp.	-40° to +50°C
Vibration & shock	ECSS-E-ST-10-03C
EMI/EMC	MIL-STD-461G
Static Magnetic Disturbances	None
Total radiation dose	>20 krad

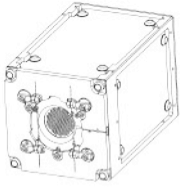
ThrustMe
 4bis Rue des Petits
 Ruisseaux
 91370 Verrières-le-Buisson
 France

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ThrustMe was created to enable an economically and environmentally sustainable space industry. Our core activity is the development, production and commercialization of intelligent fully-integrated space propulsion systems, for next generation satellites. We also provide scientific instruments, such as electrical and plasma equipment, for ground testing of space hardware. We are a highly qualified and multidisciplinary team with expertise in plasma physics, space propulsion, aerospace engineering, fluid dynamics, thermal management, digital and power electronics, and chemistry.

NPT30-I2 1.5U

SMART PROPULSION WITH IODINE PROPELLANT



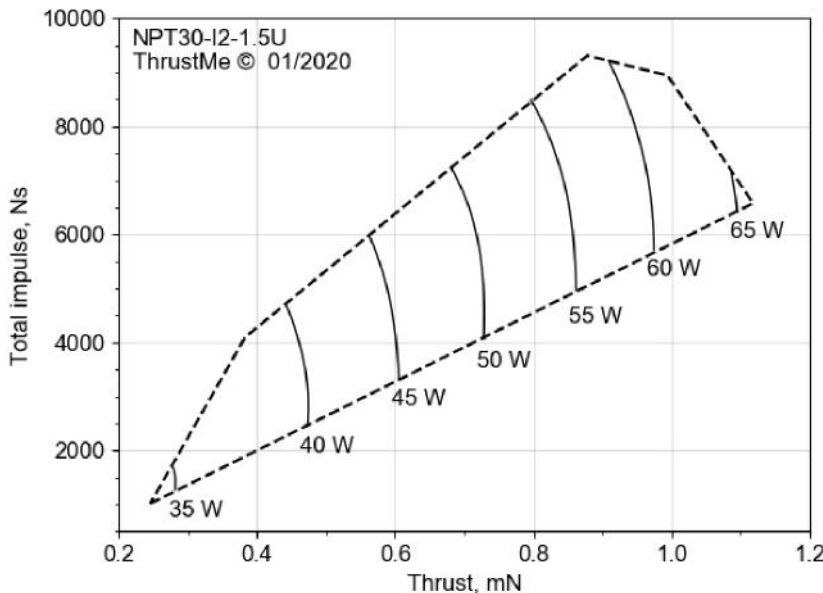
ThrustMe's NPT30 family are fully integrated propulsion system based on the gridded ion thruster technology. They have a modular design, and include the ion thruster, the PPU, the propellant storage, feed system as well as passive thermal management and intelligent operation control. The I2 versions use solid iodine propellant, are delivered pre-filled and remain non-pressurized during launch. Use of iodine also avoids sloshing and provides geometrical design flexibility to accommodate platform requirements. The 1.5U version provides up to 9500 Ns of total impulse, and 1.1 mN of thrust.

PRODUCT INFORMATION



NPT30-I2 1.5U

PERFORMANCE MAP



Obtained from 120 data points

ADVANTAGES

- ✓ Off the shelf and tailoring options
- ✓ Embedded high speed intelligence
- ✓ Short lead time batch production

PERFORMANCE & SPECIFICATIONS

Thrust	0.3 - 1.1 mN
Total impulse	Up to 9500 Ns
Form Factor	1.5U
Total wet mass	1.8 kg
Total power	35-65 W

INTERFACE

Input Voltage	12 - 28 V
Bus interface	I ² C, CAN

QUALIFIED FOR

Interface temp.	-40° to +50°C
Vibration & shock	ECSS-E-ST-10-03C
EMI/EMC	MIL-STD-461G
Static Magnetic Disturbances	None
Total radiation dose	>20 krad