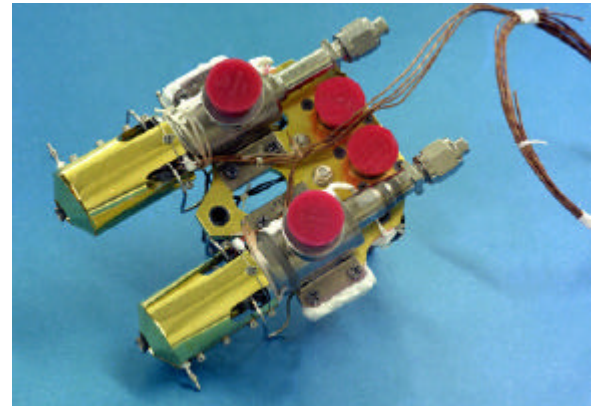


MRE-0.1 Monopropellant Thruster

For satellite attitude and velocity control.

Technical Data

Propellant	Hydrazine
Thrust at maximum operating pressure	1.0 N at 350 psia
Thrust at 275 psia inlet pressure	0.8 N
Steady state specific impulse at 275 psia inlet pressure	216 seconds
Operating pressure range	5-600 psia
Life (demonstrated)	
• Maximum throughput	34 kg
• Maximum cycles	370,000
Thrust valve power at 28 Vdc	15 W
Weight (STM/DTM)	0.5 kg/0.9 kg
Envelope (width x length)	114 mm x 175 mm



Spacecraft Programs

Chandra X-ray Observatory, DSP, STEP4