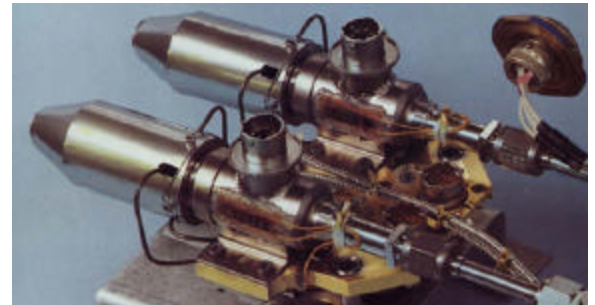


MRE-1.0 Monopropellant Thruster

For satellite attitude and velocity control.

Technical Data

Propellant	Hydrazine
Thrust at maximum operating pressure	5.0 N at 400 psia
Thrust at 275 psia inlet pressure	3.4 N
Steady state specific impulse at 275 psia inlet pressure	218 sec
Operating pressure range	8-565 psia
Life (demonstrated)	
<ul style="list-style-type: none"> • Maximum throughput • Maximum cycles 	544 kg 457,849
Thrust valve power at 28 Vdc	15 W
Weight (STM/DTM)	0.5 kg/1.0 kg
Envelope (width x length)	114mm x 188mm



Spacecraft Programs

DTM - Pioneer, HEAO, TDRSS, FLTSATCOM, EOS, SSTI, SOHO
 TOMS, KOMPSAT, ROCSAT, STEP4, STEP1