

# 100MN HPGP

Thruster Type:	100mN HPGP
Propellant:	LMP-103S
Thrust Class:	100 mN
Primary Operational mode:	RCS + AV
Inlet Pressure Range:	2.3-4.5 Bar
Thrust Range:	30-100 mN
Nozzle Expansion Ratio:	1001
Steady State Isp (vacuum) typical:	1925-2050 Ns/kg (196-209 s)
Density Impulse (vacuum):	2387-2542 Ns/L
Minimum Impulse Bit:	≤5 mNs
Overall Length:	55 mm ex. FCV
Mass (excl. harness):	0.04 kg ex. FCV
FCV Type:	Solenoid
No of Seats:	Single Seat
Pull-in Voltage:	10±2.5 VDC
Holding Voltage:	3.3 VDC
Coil Resistance (each coil):	40 Ω
Nominal Reactor Pre- heating Voltage:	9 VDC
Regulated Reactor Pre-heating Power:	6.3-8 W

Target Life - Qual. Level	
Pulses :	2,000
Propellant Throughput:	1 kg
Longest Continuous Firing Time:	18 mins
Accumulated Firing Time:	3.0 hrs
Firing Sequences:	180
Demonstrated Life	
Pulses	16,566
Propellant Throughput:	0.63 kg
Longest Continuous Firing Time:	20 mins
Accumulated Firing Time:	3.0 hrs
Firing Sequences:	180
Maturation Level:	TRL 6
0C34F8 :	Argomoon