

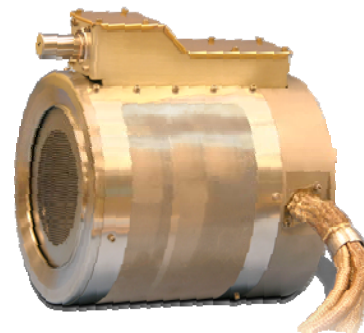


Introducing

communications
Electron Technologies, Inc.

8cm Xenon Ion Propulsion System (XIPS®)

- Design based on space qualified and flight-proven heritage ion thruster technology
- Ideal for small satellite applications
- Produces thrust 10 times more efficiently than conventional chemical propulsion
- Reduces spacecraft onboard propellant requirement
- Variable throttle levels (100W to 300W)
- Less than 2 Kg weight (<5 lbs)



8-cm XIPS® Ion Thruster Performance Estimates	
Parameter	Performance
Total Input Power (W)	100-350
Thrust (mN)	2 - 14
Specific Impulse (sec)	2000-3000
Electrical Efficiency (%)	76
Mass Utilization Efficiency (%)	77
Total Efficiency (%)	53
Weight (kg)	2