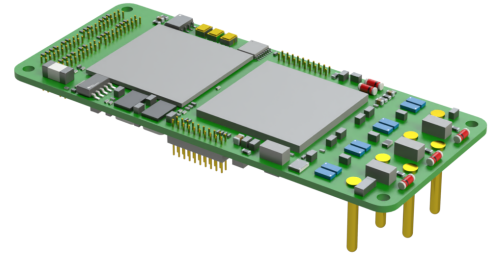




Zeta Motor Controller

The Novium Zeta Motor Controller is a sophisticated, modular device engineered to deliver power across a broad spectrum of applications, including demanding aerospace missions from Low Earth Orbit (LEO) to Lunar Explorations.



DESCRIPTION	UNIT	VALUE
Supply Voltage	VDC	28 to 48
Maximum Continuous Output Power	W	500
Maximum Continuous Output Current	A	10
Maximum Efficiency	%	96
Motor Driver Compatibility	Qty	1553B, SpaceWire, CAN, RS422
GPIO	Qty	4
ADC	Qty	5
DAC	Qty	2
SPI	Qty	1
TWI	Qty	1
Ambient Temperature Range	°C	-55 to 125
Radiation LET	$\frac{\text{MeV}\cdot\text{cm}^2}{\text{mg}}$	43
Radiation TID	krad(Si)	20
Mass	g	31
Dimension A	mm	38
Dimension B	mm	90
Dimension C	mm	12

FEATURES

- Radiation Tolerant
- Various control modes including Position, Velocity, and Torque
- Supports 4 Phase Drives
- Features GaN FETs for high switching frequencies

