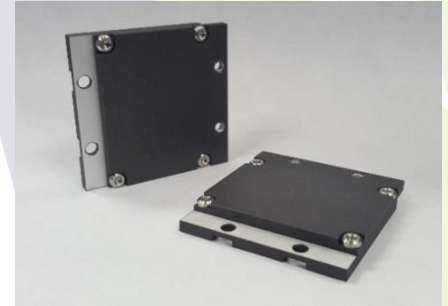




PRODUCT DESCRIPTION

This product is a structural ultracapacitor specially designed for high power applications requiring rechargeable energy storage systems that operate in harsh environments such as aerospace and defense. It is designed to work in a wide range of operating temperatures and voltages. Its unique modular construction allows stacking of multiple cells in various configurations for higher energy and power densities.



Benefits:

- Prismatic structural housing
- High power density: 5.8 kW/kg
- Low ESR: <15 mΩ
- Wide operating temperature: -40°C to 65°C
- Design qualified to NASA GEVS standard

Applications:

- Pulsed Power
- Radar
- Mechanical Actuators
- Burst Communication
- Satellites
- Aerospace
- Military

TECHNICAL SPECIFICATIONS

Test	Description	Min	Typ	Max	Units
Electrical					
Rated Capacitance	25°C	11.5	12	13	F
	65°C	10	11	11.3	F
	-30°C	10	10.5	11	F
Operating Voltage			3.0		V
Series Resistance	25°C	12	14	16	mΩ
	65°C	10.5	11.5	13	mΩ
	-30°C	12	18	28	mΩ
Leakage Current @ Rated Voltage	15 min. @ 25°C		<2		mA
Operating Temperature		-40		65	°C
Physical					
Length			46.5		mm
Width			45		mm
Height			6.36		mm
Mass			27.6		g
Volume			9.8		cc
PERFORMANCE					
	25°C	65°C		-30°C	
Power Density (kW/kg)	5.8	7.1		4.5	
Power Density (kW/L)	5.8	20.0		12.3	

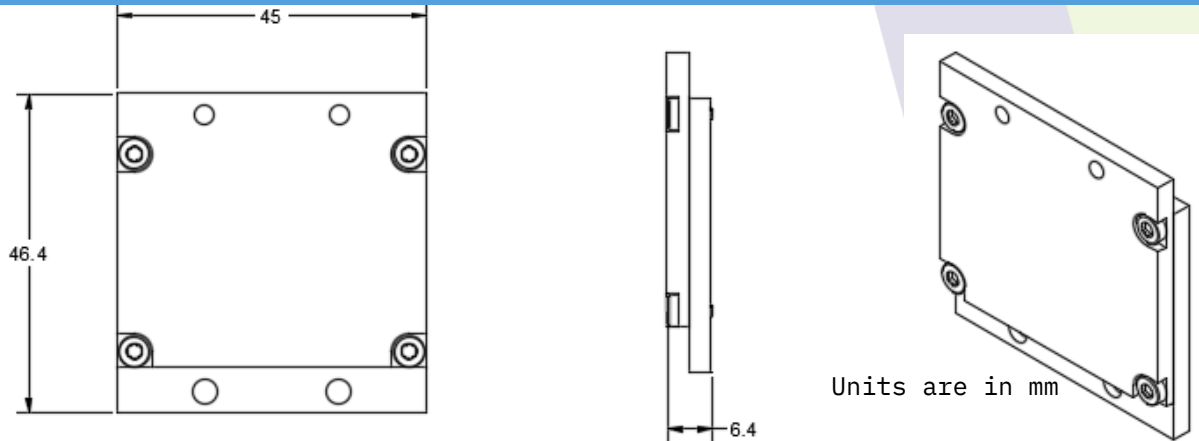
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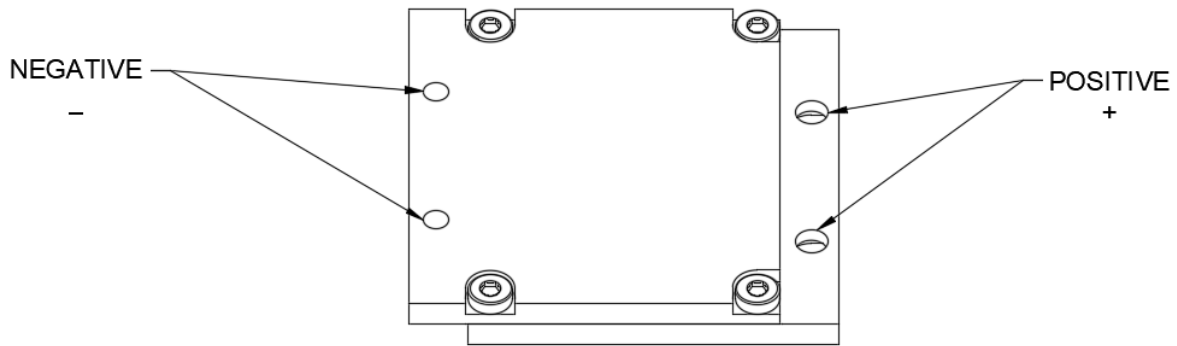




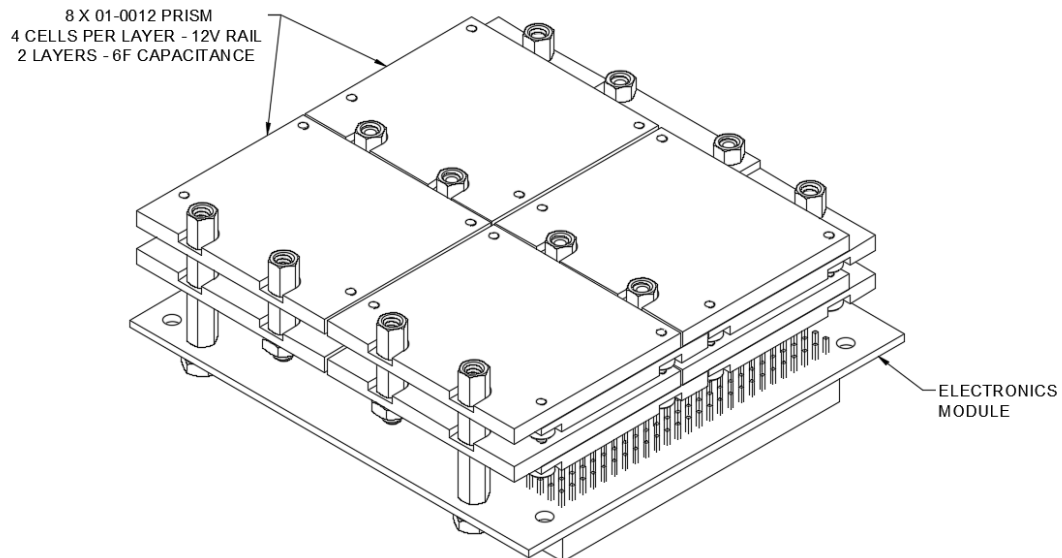
OUTLINE DIMENSIONS



ELECTRICAL CONNECTIONS



MODULE EXAMPLE



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