



## Series: iMOD™

### Features:

- 16 V working voltage
- Individually balanced cells
- IP-54 rated
- Threaded, protected terminals
- RoHS compliant

### Applications:

- Wind turbine pitch control
- Starting systems
- Automotive subsystems
- Backup power/UPS
- Ride through/power conditioning
- Renewable energy systems



Temperature		
Range, Operational	-40°C to 65°C	
Range, Storage	-40°C to 70°C	
Temperature Characteristics	Capacitance Change	Within ±5% of initial specified value
	Internal Resistance (ESR)	Within 100% of initial specified value
Operating		
Isolation Voltage/Hi-Pot	2500 V	
Capacitance Tolerance	-10% to +10%	
Life		
Cycle Life (25°, V <sup>R</sup> ) DC	After 500,000 cycles between rated voltage and half rated voltage under constant current at 25°C	
	ΔC < 30% decrease, ESR < 100% increase	
Life Time*	After 10 years at rated voltage and 25°C	
	ΔC < 30% decrease, ESR < 100% increase	
Endurance	After 1000 hours application of rated voltage at 65°C	
	Capacitance Change	Within 30% of initial specified value
	Internal Resistance (ESR)	Within 100% of initial specified value
Shelf Life	After 1000 storage at 70°C without load (0 V DC)	
	Capacitance Change	Within 20% of initial specified value
	Internal Resistance (ESR)	Within 100% of initial specified value
Max. Number In Series	40 (750V)	
Standards Compliance	RoHS UL810a BS EN 60068-2-6,27,29 IEC 60068-2-14 CH.RoHS, CE CRoHS IP54,CE MIL 202CT-203C	

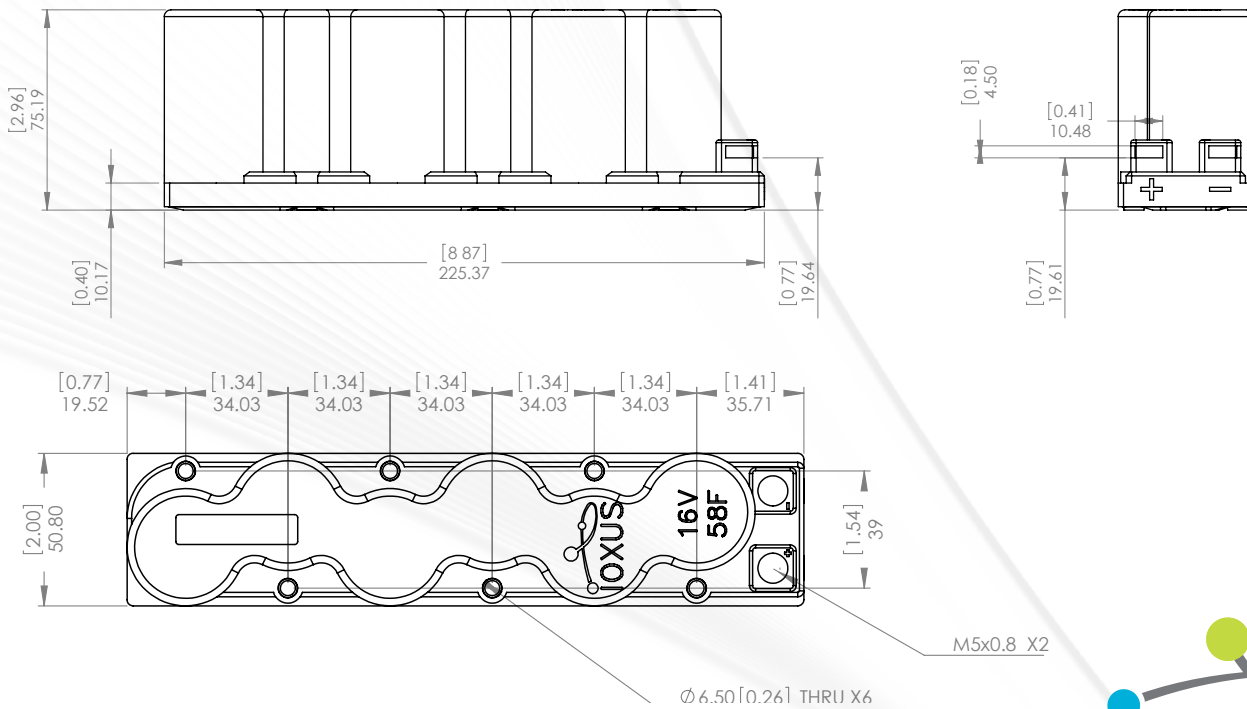
\*Lifetime is a provisional value.



## Product Specifications

Part Number		iMOD016V058P1M-00A	
Parameter	Unit	Parameter	Unit
Capacitance	F	Length	mm
Capacitance Tolerance	%	Height	mm
Rated Voltage	V	Width	mm
Surge Voltage	V	Volume	ml
Impedance (AC 1kHz)	mΩ	Weight	kg
ESR (DC)	mΩ	Max Stored Energy	Wh
Leakage Current (72 h)	mA	Energy Density	Wh/l
Continuous Current Rating	A		Wh/kg
Maximum Peak Current 1 s	A	Power Density	kW/l
Short Circuit Peak Current	A		kW/kg
Cell Management		Maximum Power	kW/kg
			Passive

\*\*All specifications subject to change without notification; please contact Ioxus for the latest information



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