

Lithium Ion Capacitors

Lithium Ion Capacitors (LIC) are long life, maintenance free energy storage solutions for a variety of systems and applications. LIC's are ideal in situations where battery maintenance and replacement are inconvenient, costly or impossible. High current charge / discharge capability, low self-discharge rate and a wide operating temperature range are a few other beneficial characteristics of the LIC. With a calendar life greater than 10 years and a 1M cycle life, an LIC can be designed in to last the entire life of a system. LIC's have greater than 2x the energy density of an ultracapacitor and are a safe technology, even under extreme operating conditions.



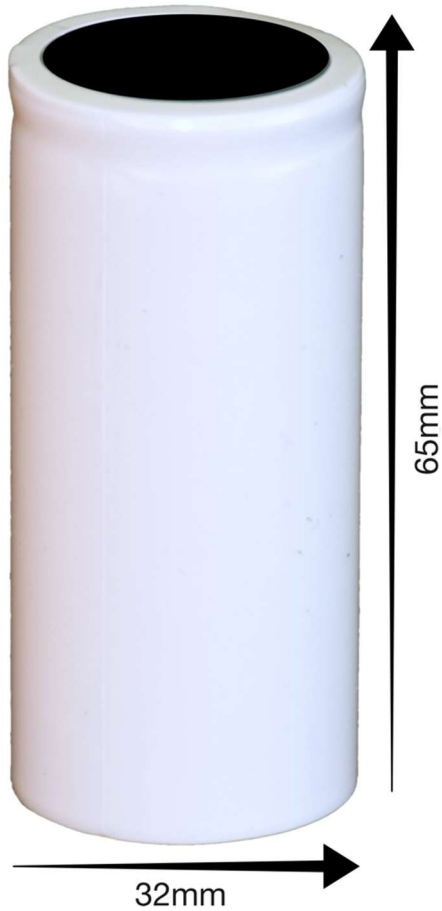
LC0800-380-ASW

SPECIFICATIONS*			CONDITIONS
Rated Voltage	Nominal	3.8V	
	Minimum	2.2V	
	Maximum	4.2V	Max 1s
Capacitance	Rated	800F	10A CC
	Minimum Initial	800F	
Operating temp. range	-20°C to +70°C		
Internal Resistance (DC)	ESR Typical	12mΩ	10A CC
	ESR Max	15mΩ	
Energy	Usable Energy	1.07 Wh	$1/2C(V_{nom}^2 - V_{min}^2)/3600$
	Energy Density	9.3 Wh/kg	$1/2C(V_{nom}^2 - V_{min}^2)/3600/.115$
Max Power	Power Density P_{max}	2,616 W/kg	$.25(V_{nom}^2)/(ESR_{typ}/1000)/.115$
Self-Discharge	Voltage drop	< 15%	After 3 months at +25°C
Cell size	Cylindrical	32x65mm	Spot weld terminal, Axial
Weight		115g	

***Values are typical and subject to change without notice.**

LICAP cells are manufactured in our Sacramento, California facility.

Reference Drawing



For more information, please contact:

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