SERIES: SNAP-IN ULTRACAPACITOR

FEATURES

- Made in the USA
- High energy density
- High power density
- Low internal resistance (ESR)
- 10 year life
- High cycle life (+500K cycles)
- RoHS compliant

APPLICATIONS

- Back-Up Power
- Pulse Power
- Automotive Subsystems
- Portable Power Tools
- Renewable Energy Systems



SPECIFICATIONS:

Operating Temperature Range	-40 °C to +65 °C		
Storage Temperature Range	-40 °C to +70 °C		
Rated Voltage, VR	2.7 V DC		
Capacitance Tolerance	-10% to +10%		
Cycle Life (25°, V _R)	After 500,000 cycles between rated voltage and half rated voltage under constant current at 25 $^{\circ}\text{C}$		
	Δ C < 30% decrease, ESR < 200% increase		
Life Time*	After 10 years at rated voltage and 25 °C		
	Δ C < 30% decrease, ESR < 200% increase		
	After 1000 hours application of rated voltage at 65°C		
Endurance	Capacitance Change	Within 20% of initial specified value	
	Internal Resistance (ESR)	Within 100% of initial specified value	
Shelf Life	After 1000 hours storage at 70°C without load (0 V DC)		
	Capacitance Change	Within 20% of initial value	
	Internal Resistance (ESR)	Within 100% of initial value	

^{*}Life time is a provisional value

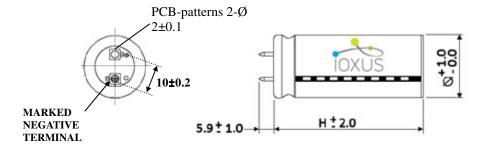
Ioxus, Inc. 118 Winney Hill Road, Oneonta, NY 13820, USA

Toll Free: +1 877-751-4222

Tel: 607-433-9011 Fax: 607-433-9014



DIMENSIONS:



Part Number	Unit	RSC2R7607SR
Diameter (Ø)	mm	35
Height (H)	mm	88
Volume	ml	85
Weight	g	96

PRODUCT DETAILS:

Part Number	Unit	RSC2R7607SR
Capacitance	F	600
Capacitance Tolerance	%	±10
Rated Voltage	V	2.7
Surge Voltage	V	2.85
Impedance (AC 1kHz)	mΩ	≤3.0
ESR (DC)	mΩ	≤3.2
Max Stored Energy	Wh	0.608
Specific Energy	Wh/kg	6.33
Specific Effergy	Wh/L	7.18
Maximum Power	kW/kg	6.33
Operating Temp	°C	-40 to +65
Stored Temp	°C	-40 to +70
Max Leakage Current	mA	1.5 (72h)
Life time	years	10
Cycle life	cycles	500,000

^{**}All specifications subject to change without notification; please contact loxus for the latest information

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