

SERIES: SNAP-IN HYBRID CAPACITOR

FEATURES

- Made in the USA
- High energy density
- High power density
- Low internal resistance (ESR)
- High cycle life (20K+ cycles)
- RoHS compliant

APPLICATIONS

- Flashlights
- Solar / LED Lighting
- Memory Back-Up
- Portable Hand Tools

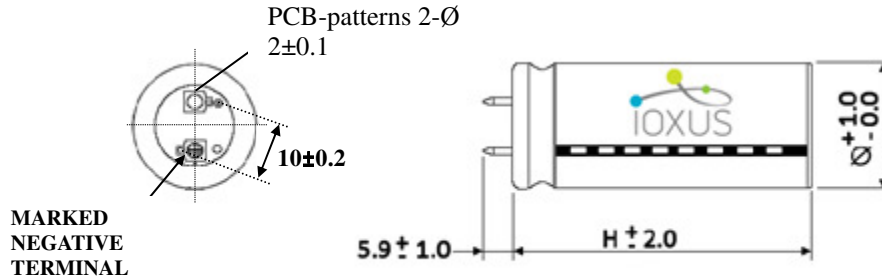


SPECIFICATIONS:

Operating Temperature Range	-25°C to +60°C	
Storage Temperature Range	-30°C to +65°C	
Rated Voltage, V_R	2.3 V DC	
Capacitance Tolerance	-10% to +10%	
Cycle Life (25°, V_R)	After 20,000 cycles between rated voltage and half rated voltage under constant current at 25°C ΔC < 30% decrease, ESR < 200% increase	
Life Time*	After 10 years at rated voltage and 25°C ΔC < 30% decrease, ESR < 200% increase	
Endurance	After 1000 hours application of rated voltage at 60°C	
	Capacitance Change	Within 40% of initial specified value
	Internal Resistance (ESR)	Within 200% of initial specified value
Shelf Life	After 1000 hours storage at 65°C without load (0V DC)	
	Capacitance Change	Within 20% of initial value
	Internal Resistance (ESR)	Within 200% of initial value

*Life time is a provisional value

DIMENSIONS:



Part Number	Unit	RHE2R3307SR
Diameter (Ø)	mm	22
Height (H)	mm	45
Volume	ml	17
Weight	g	25

PRODUCT DETAILS:

Part Number	Unit	RHE2R3307SR
Capacitance	F	300
Capacitance Tolerance	%	±10
Rated Voltage	V	2.3
Surge Voltage	V	2.5
Impedance (AC 1kHz)	mΩ	≤15
ESR (DC)	mΩ	≤35
Max Stored Energy	Wh	0.220
Specific Energy	Wh/kg	8.16
	Wh/L	12.89
Maximum Power	kW/kg	3.27
	kW/L	5.16
Power Density	kW/kg	1.02
Operating Temp	°C	-25 to +60
Stored Temp	°C	-30 to +70
Max Leakage Current	mA	0.55 (72h)
Life time	years	10
Cycle life	cycles	20,000+

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