ELECTRIC DOUBLE LAYER CAPACITOR DATA SHEET

Superb-S
2.7V 470F

Snap-in Terminal Type

FEATURES:

- Standard Product
- Wide temperature range (–40 to +65°C).
- RoHS compliant.
- IATF 16949 compliant

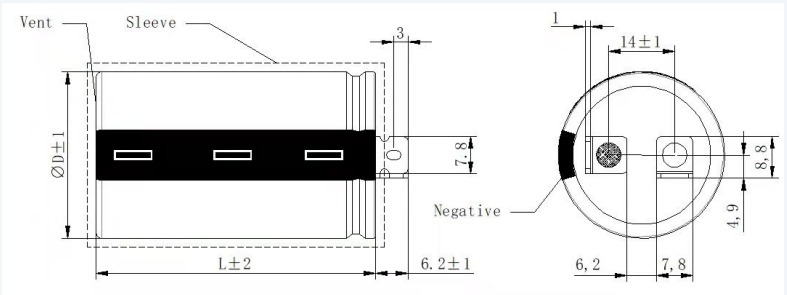
TYPICAL APPLICATIONS:

- UPS (Uninterruptable power supply)
- Handheld devices
- Robotics
- Security equipment
- Wind turbine pitch control
- Heavy industrial equipment

SPECIFICATIONS:

ITEM	PERFORMANCE CHARACTERISTICS
Category Temperature Range	-40℃ to +65℃
Rated Voltage Range	2.7V
Rated Capacitance Range	470F
Capacitance Tolerance	-10% to +30%, 20℃
Stability at Low Temperature	Capacitance(-40℃) / Capacitance(+20℃) x 100 ≥70% ESR(-40℃) / ESR(+20℃) ≤4
Loading Life	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 1500 hours at 65°C. — Capacitance Range: Within ±30% of the initial capacitance value; ESR: 300% or less than the initial specified value
Shelf Life	The specifications listed at right shall be met when the capacitors are restored to 20°C after storing the capacitors under no load for 1500 hours at 65°C. — Capacitance Range: Within ±30% of the initial capacitance value; ESR: 300% or less than the initial specified value
Humidity Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 500 hours at 40°C 90%RH. — Capacitance Range: Within ±30% of the initial capacitance value; ESR: 300% or less than the initial specified value
Marking	Printed with white color letter on blue sleeve.

PHYSICAL PROPERTIES:



φD	L
35	60

STANDARD RATINGS:

Voltage (V)	Capacitance (F)	Max. ESR(mΩ)		Nominal Mass (g)	Gravimetric Specific Energy (Wh/kg)	Usable Specific Power (kW/kg)	Impedance Match Specific Power (kW/kg)	Part Number
		AC (1KHz)	DC					
2.7	470	3	3.5	75	6.3	3.3	6.9	UCZSS2R7477NSL350060E