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Product specification

LSUM 0380R8L 0002F EA



Product specification

■ Specification

1. Primary specification

Part number	Capacitance (F)	Max. ESR (mΩ) _{DC}	Max. Current (A) Non-repeated	Leakage Current (mA)
LSUM 0380R8L 0002F EA	2.5	650	180	< 12

2. Power & Energy

Part number	Usable Specific Power, P _d (W/kg)	Impedance Match Specific Power, P _{max} (W/kg)	Energy Density (Wh/kg)	Max. Stored Energy (Wh)
LSUM 0380R8L 0002F EA	1,400	3,000	2.7	50.4

3. Standard & Reliability

Rated Voltage	380.8V			
Max. Voltage ¹	408V			
Maximum Series Voltage	408V			
Capacitance Tolerance	0% / +20%			
Operating temperature range	-40 ~ 65 °C			
Storage temperature range	-40 ~ 70 °C			
Max. continuous current ²	ΔT = 15 °C	7A		
	ΔT = 40 °C	12A		
Endurance Life (65°C)	1,500 Hours			
	Capacitance change	Within 20% of initially specified value		
	ESR change	Within 100% of initially specified value		
Life Time (25°C)	10 Years at rated voltage			
	Capacitance change	Within 20% of initially specified value		
	ESR change	Within 100% of initially specified value		
Cycle Life (25°C)	500,000 Cycles			
	Capacitance change	Within 20% of initially specified value		
	ESR change	Within 100% of initially specified value		
Shelf Life (25°C)	4 Years stored uncharged state			

4. Monitoring

Part number	Temperature sensor	Temperature & Voltage interface	Connector	Cell voltage monitoring	Balancing
LSUM 0380R8L 0002F EA	PTC	Alarm	AMP178803-3	Over voltage alarm	Passive

*Remarks

- 1) Non repeated, not to exceed 1sec.
- 2) Initial state value.

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Safety & Physical Protection

Part number	Isolation voltage (DC)	Short circuit current(A)	Power Terminals	Recommended Torque - Terminal	Shock & vibration Protection
LSUM 0380R8L 0002F EA	2.5KV	580	M6	6 Nm	IEC 60068-2-6

Dimension in mm (not to scale)

Geometric properties

Part number	Dimension (mm)			Weight (kg)
	Length	Width	Height	
LSUM 0380R8L 0002F EA	750±2	191±1	163±1	18.4±0.5

