

Features

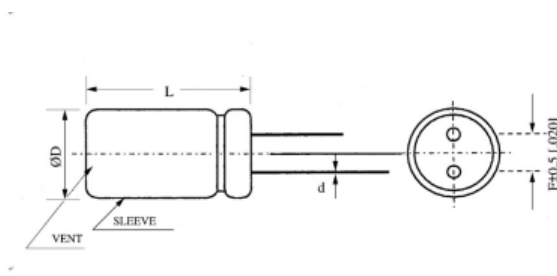
- Small size and large capacitance
- Low ESR
- Low leakage current
- RoHS compliant

Application

- Back up power supply: AMR, Black Box, DTU/FTU/RTU, POS system, Handy equipment
- Quick charging and motor drive power supply: Toy car and toy plane
- Long life cycle power supply: Solar traffic lighting



Dimension



Dimension(mm)				
Capacitance	D	L	F	d
1.5F	8	14	3.5	0.5
2.2F	8	14	3.5	0.5
3.3F	8	21	3.5	0.5
5F	10	21	5.0	0.6
10F	12	22	5.0	0.6
15F	12.5	31	5.0	0.6
25F	16	31	7.5	0.8
50F	18	40	7.5	0.8

Specification

Capacitance (F)	Part Number	Maximum ESR (mΩ)		Rated Current (25°C, A)	Max. Current (25°C, A)	Leakage Current (mA) @ 20°C after 72 Hours	Stored Energy (Wh)	Specific Energy (Wh/Kg)	Typical Mass (g)
		AC @ 1kHz	DC						
1.5	SCV0001C5-0002R7LTZ	200	280	0.3	1.4	0.003	0.006	1.38	1.1
2.2	SCV0002C2-0002R7LTZ	140	200	0.4	2.0	0.005	0.008	1.86	1.2
3.3	SCV0003C3-0002R7LTZ	95	140	0.9	4.5	0.007	0.012	2.09	1.6
5	SCV0005C0-0002R7LTZ	65	90	1.0	6.8	0.010	0.018	2.20	2.3
10	SCV0010C0-0002R7LTZ	40	55	1.0	13.5	0.022	0.037	3.38	3.0
15	SCV0015C0-0002R7LTZ	30	45	4.1	20.3	0.033	0.055	2.71	5.6
25	SCV0025C0-0002R7LTZ	20	28	8.0	40.0	0.054	0.091	3.16	8.0
50	SCV0050C0-0002R7LTZ	15	20	13.5	67.5	0.108	0.182	3.89	13.0

Working Voltage	2.7 VDC
Surge Voltage	2.85 VDC
Capacitance Tolerance	-20% to +20% (25°C)
Operating Temperature Range	-40°C to 60°C, ΔC<20%, ΔESR<50% of initial measured value @ 25°C
Storage Temperature Range	-40°C to 70°C
Life (1000 hrs @ 65°C @ 2.7 volts DC)	ΔC ≤ 30 % of initial measured value @ 25°C ΔESR ≤ 200 % of specified value
Storage (1000 hrs @ 70°C, without loading)	ΔC ≤ 30 % of initial measured value @ 25°C ΔESR ≤ 200 % of specified value

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