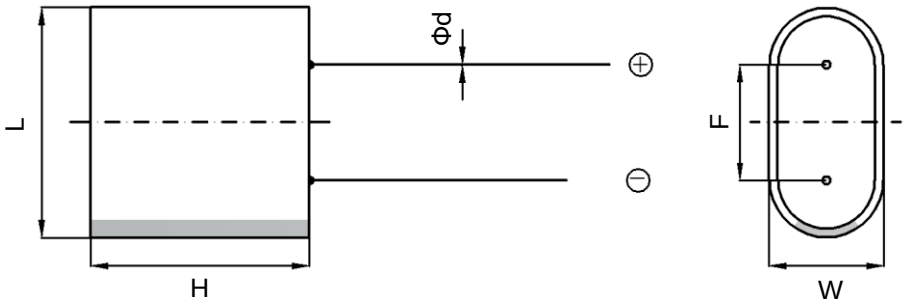
Features

- High power performance
- Low ESR
- Over 500,000 duty cycles
- Lead terminal

Applications

- Hybird battery packs
- Pulse power
- Bridge or hold-up power
- Valve and solenoid actuation

Dimensions



Part Number	Dimension (mm)				
	L±1	W±1	H±1	F±1	d±0.05
MCV0000C5-0005R5LTZ	16.5	8	12.5	5.0	0.5
MCV0001C0-0005R5LTZ	16.5	8	15.0	5.0	0.5
MCV0001C5-0005R5LTZ	16.5	8	22.5	5.0	0.5
MCV0005C0-0005R5LTB	20.5	10	31.0	5.5	0.6
MCV0000C5-0005R5LTN	16.5	8	12.5	12.0	0.5
MCV0001C0-0005R5LTN	16.5	8	15.0	12.0	0.5
MCV0001C5-0005R5LTN	16.5	8	22.5	12.0	0.5
MCV0005C0-0005R5LTQ	20.5	10	31.0	15.5	0.6

Web: www.spscap.com
Tel: +86-755-89486800
Fax: +86-10-61272268
Email: info@spscap.com

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Specifications

Items	Characteristics
Operating Voltage	5.5 VDC
Surge Voltage	5.8 VDC
Operating Temperature Range	-40℃ to 65℃
Capacitance Tolerance	-10% to +40% (25℃)
Temperature Performance(-40℃ to 65℃)	ΔC ≤ 30% of initial measured value@ 25℃ ESR ≤ 200% of specified value
Life (1000 hours @ 65℃, 5.5 VDC)	ΔC ≤ 30% of initial measured value ESR ≤ 200% of specified value
Cycle life (500,000 cycles between V_R and 1/2 V_R)	ΔC ≤ 30% of initial measured value ESR ≤ 200% of specified value

Standard Product

CAP (F)	Part Number	ESR (mΩ)		LC (mA, RT 72hrs)	Max. Energy Stored (Wh)	Max. Energy Density (Wh/Kg)	Max. Continuous Current (15/40℃,A)	Max. Peak Current (A)	Typical Thermal Resistance (Housing) ℃/W	Typical Thermal Capacitance, C_{th}, J/℃	Typical Mass (g)
		AC @ 1kHz	DC								
0.5	MCV0000C5-0005R5LTZ	500	750	0.008	0.002	0.84	0.4/0.6	1.0	138	2.1	2.5
1	MCV0001C0-0005R5LTZ	280	420	0.010	0.004	1.40	0.5/0.9	1.9	128	2.6	3.0
1.5	MCV0001C5-0005R5LTZ	220	330	0.015	0.006	1.75	0.8/1.3	2.8	77	3.1	3.6
5	MCV0005C0-0005R5LTB	60	90	0.030	0.021	3.00	1.9/3.1	9.5	46	6.0	7.0
0.5	MCV0000C5-0005R5LTN	500	750	0.008	0.002	0.84	0.4/0.6	1.0	138	2.1	2.5
1	MCV0001C0-0005R5LTN	280	420	0.010	0.004	1.40	0.5/0.9	1.9	128	2.6	3.0
1.5	MCV0001C5-0005R5LTN	220	330	0.015	0.006	1.75	0.8/1.3	2.8	77	3.1	3.6
5	MCV0005C0-0005R5LTQ	60	90	0.030	0.021	3.00	1.9/3.1	9.5	46	6.0	7.0

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