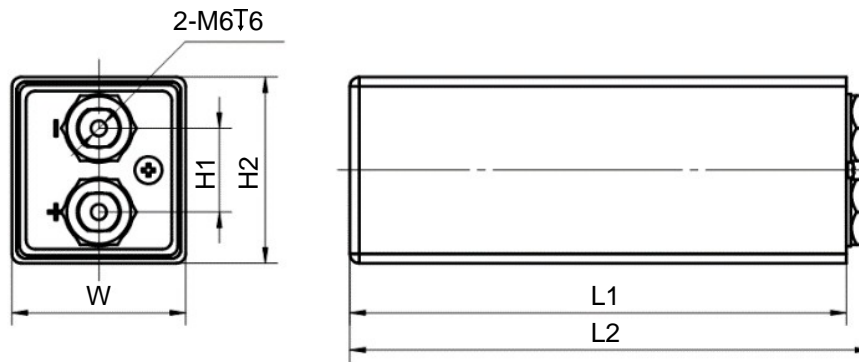


Features

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

Applications

- EV/HEV
- Hybrid drive trains
- Mass transportation braking energy recovery system
- Heavy duty machinery
- Locomotive engine startup system

Dimensions


Part Number	Dimension(Without sleeve)/ mm				
	H1±0.2	H2+0.5	W+0.5	L1+0.5	L2+0.5
SU2400P-0027V-1RA	27	60	56	160	168
SPP3000C0-0002R7SHZ	27	60	56	160	168
SPP3500C0-0002R7SHZ	27	60	56	160	168
SPP4000C0-0002R7SHZ	27	60	56	160	168

Part Number	Dimension(With sleeve)/ mm				
	H1±0.2	H2+0.5	W+0.5	L1+0.5	L2+0.5
SU2400P-0027V-1RA	27	60.4	56.4	161	168.4
SPP3000C0-0002R7SHZ	27	60.4	56.4	161	168.4
SPP3500C0-0002R7SHZ	27	60.4	56.4	161	168.4
SPP4000C0-0002R7SHZ	27	60.4	56.4	161	168.4

Specifications

Items	Characteristics
Operating Voltage	2.7 VDC
Surge Voltage	2.85 VDC
Operating Temperature Range	-40°C to 65°C
Capacitance Tolerance	-10% to +20% (25°C)
Temperature Performance(-40°C to 65°C)	$\Delta C \leq 5\%$ of initial measured value@ 25°C ESR $\leq 150\%$ of specified value
Life (1000 hours @ 65°C, 2.7 VDC)	$\Delta C \leq 30\%$ of initial measured value ESR $\leq 200\%$ of specified value
Cycle life (500,000 cycles between V_R and $1/2 V_R$)	$\Delta C \leq 30\%$ of initial measured value ESR $\leq 200\%$ of specified value

Standard Product

CAP (F)	Part Number	ESR (mohm)		LC (mA, RT 72hrs)	Max. Energy Stored (Wh)	Max. Energy Density (Wh/Kg)	Max. Continuous Current (15/40°C,A)	Max. Peak Current (A)	Typical Thermal Resistance (Housing) °C /W	Typical Thermal Capacitance, C_{th} , J/°C	Typical Mass (g)
		AC @ 1kHz	DC								
2400	SU2400P-0027V-1RA	0.25	0.32	3.0	2.43	3.46	143/234	1833	2.3	810	702
3000	SPP3000C0-0002R7SHZ	0.25	0.32	5.0	3.04	4.18	143/234	2066	2.3	830	726
3500	SPP3500C0-0002R7SHZ	0.28	0.36	10.0	3.54	4.72	135/221	2091	2.3	850	751
4000	SPP4000C0-0002R7SHZ	0.28	0.36	20.0	4.05	5.33	135/221	2213	2.3	890	760