

Features

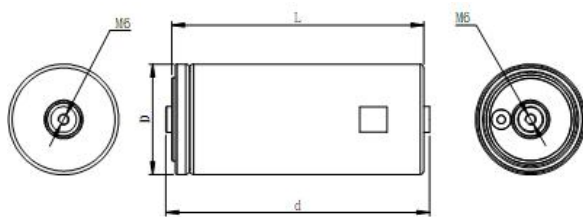
- High power performance
- Low ESR
- Over 1,000,000 duty cycles
- Welded terminal

Applications

- Pitching control system of Wind Turbine Generator
- EV/HEV
- Hybrid drive trains
- Mass transportation braking energy recovery system
- UPS/DVC
- Heavy duty machinery
- Locomotive engine startup system



Dimension



Dimension(mm)			
Capacitance	D (Max)	L(±0.3)	d(±0.5)
650F	60.8	51.5	57.9
1200F	60.8	74	80.4
1500F	60.8	85	91.4
2000F	60.8	102	108.4
3000F	60.8	138	143.8
5000F	60.8	215	221

Specifications

Capacitance (F)	Part Number	Maximum ESR (mΩ)		Rated Current (25°C, A)	Max. Current (25°C, A)	Leakage Current (mA) @ 25°C after 72 Hours	Stored Energy (Wh)	Specific Energy (Wh/Kg)	Typical Mass (g)
		AC @ 1kHz	DC						
650	SCP0650C0-0002R7WLZ	0.49	0.59	50	634	1.5	0.67	2.9	230
1200	SCP1200C0-0002R7WLZ	0.40	0.47	100	1035	2.7	1.23	4.1	300
1500	SCP1500C0-0002R7WLZ	0.33	0.41	100	1253	3.0	1.50	4.6	330
2000	SCP2000C0-0002R7WLZ	0.25	0.32	100	1646	4.2	2.04	5.1	400
3000	SCP3000C0-0002R7WLZ	0.22	0.26	100	2275	5.2	3.04	5.7	530
5000	SCP5000C0-0002R7WLZ	0.21	0.23	100	3139	7.0	5.06	6.4	790

Working Voltage	2.7 VDC
Surge Voltage	2.85 VDC
Capacitance Tolerance	-10% to +20% (25°C)
Operating Temperature Range	-40°C to 65°C, ΔC<20%, Δ ESR<50% of initial measured value@ 25°C
Storage Temperature Range	-40°C to 70°C
Life Time	10 years, Δ C<30%, Δ ESR<150% of specified value, LC< specified value @ 25°C
Cycle Life(25°C)	1,000,000 cycles, Cycled between rated voltage and 1/2 rated voltage under constant current @ 25°C

AARTECH 2011 All Rights reserved. Design, Specifications are subjected to change without notice