



Power capacitors application solution for induct furnace / switch on and off / welding machine power supply

DCMJ series , Low/Middle frequency water cooled DC filter power capacitor

Function and Application:

To be applied for AC input voltage 380--1150V, middle DC voltage less than 2kv, low frequency (<1KHz) and middle frequency (1-8KHz) induct furnace power supply series circuit .

The technology unique point:

- Special deposition metal film, high dv/dt, di/dt
- Double sides water cooling , improve the electronic current ability
- Single /grouping water cooled scheme can be customized
- Cooling water must be pure water, the out water temperature will be less than 40°C



Conditions of use/technical parameters/product standards:

The temperature range: $-25^{\circ}\text{C} \sim +50^{\circ}\text{C}$

Rated voltage: UN(dc) : $\leq 2\text{KV (DC)}$

Rated capacity CN: $\leq 8000\mu\text{F}$

Capacity error ΔC : $\pm 5\%$

Maximum current Irms: $\leq 2500\text{A}$ (Products can be customized, 3000-4000 A)

Products standards:

IEC61071-1 (1991)

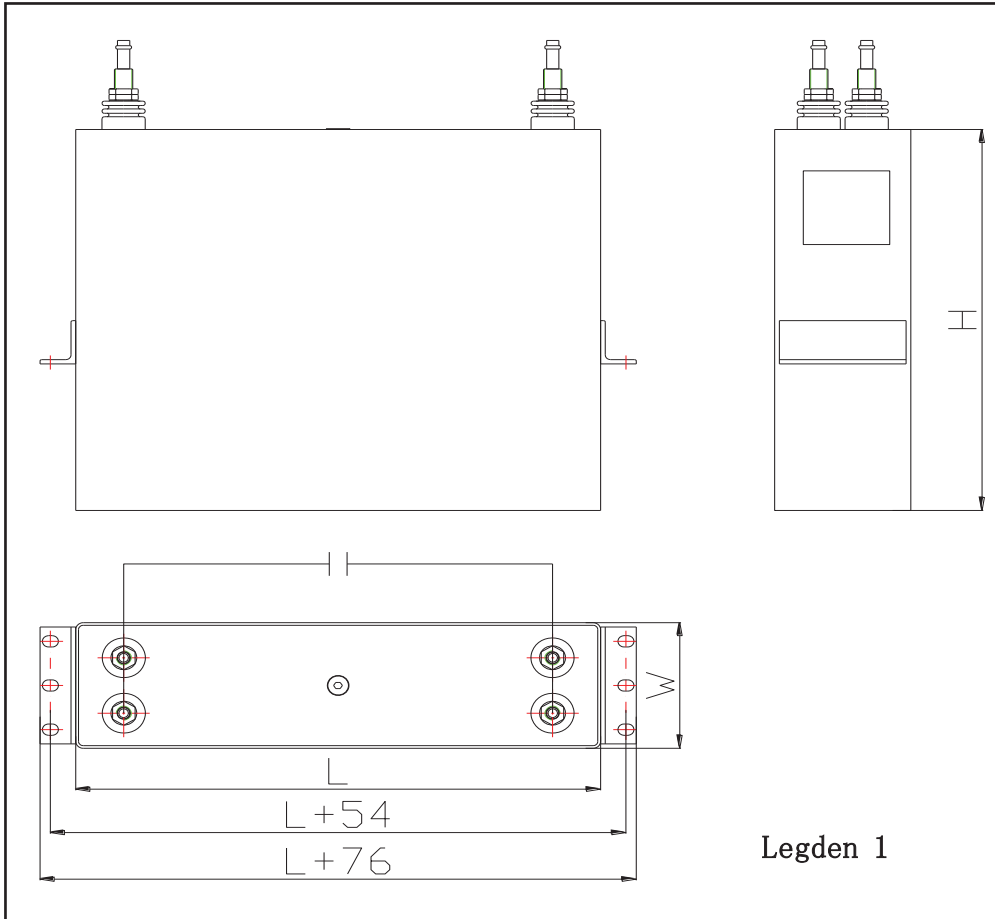
GB/T17702.1-1999

Also can be made according to the customers' standards

Specification list

DCMJ U_N — C_N, F_N, I_{max}								
Rated voltage $U_N \cdot KV$	Rated capacitance $C_N \cdot \mu F$	Apply frequenc y $F_N \cdot KHz$	Maximum current $I_{max} \cdot A$	L mm	W mm	H mm	lege nd	note
0.8 (380V)	7300	0.25-0.3	2200	559	145	560	1	
	5100	0.5-0.7	1800	559	145	420	1	
	2250	1-1.5	1200	343	145	350	1	
	1300	2-3	1000	343	105	350	1	
	300 (2*150)	5-8	600	343	114	229	2	
0.9 (575V)	7400	0.25-0.3	2500	559	145	680	1	
	5000	0.5-0.7	2000	559	145	480	1	
	1700	1-1.5	1200	343	145	350	1	
	1000	2-3	1000	343	105	350	1	
	300 (2*150)	5-8	600	343	114	229	2	
1.6 (690V) (380*2)	5200	0.25-0.3	2500	559	145	650	1	
1.8 (1000V) (575*2)	5200	0.25-0.3	2500	559	165	660	1	

Drwawings :



*** Can be customized by 2/4 grouping, single water cooling. Also custom design is accepted**

