



**CAPACITOR
COMPETENCE**
since 1958

FILM CAPACITORS

FILM CAPACITORS · AC FILTER

CBB 237 AQ SERIES

JIANGHAI EUROPE
Electronic Components GmbH



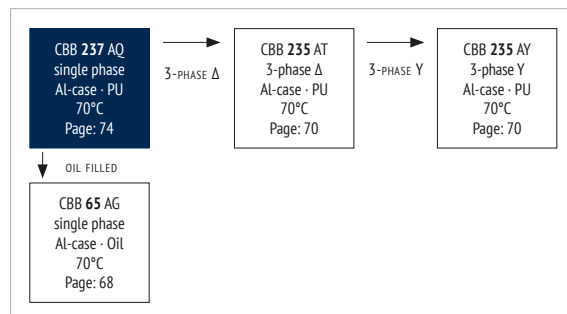
ENGINEERED SOLUTIONS

v2020.1

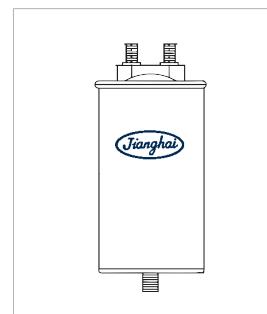
FEATURES

- Used in AC filtering
- Excellent Temperature behavior
- Self-healing
- Overpressure disconnecter design
- Aluminum case, filled with soft PU resin

OVERVIEW



PRODUCT



APPLICATIONS

- Solar
- Wind energy
- UPS

CHARACTERISTICS

ITEM	CHARACTERISTICS
Reference Standard	GB/T 17702 (IEC 61071) , IEC60831
Climatic Category	40/70/56
Operating Temperature Range	-40 ~ +70°C ($\theta_{hotspot} \leq 85^\circ\text{C}$)
Storage Temperature Range	-40 ~ +85°C
Rated Voltage U_{RMS}	250 ~ 690 V _{AC}
Capacitance Range	10 ~ 600μF
Capacitance Tolerance	±5% (J), ±10% (K)
U_{TT} Voltage between Terminals	2,15 * U_N , 10s (20°C)
U_{TC} Voltage between Terminals & Case	≥4.000V _{AC} , 10s (20°C, 50 Hz)
Dielectric Dissipation Factor $\tan \delta_0$	≤2 * 10 ⁻⁴
Insulation Resistance R _i °C	≥5.000 MΩ · μF (20°C, 100 V _{DC} , 1min)
Max. Overvoltage	1,1 * U_N (30% of on-load-duration) 1,15 * U_N (30 min/day) 1,2 * U_N (5 min/day) 1,3 * U_N (1 min/day) 1,5 * U_N (30ms every time, 100 ms/day)
Max. Torque of terminals	M6: 4Nm M8: 6Nm
Max. Torque of stud	M12: 10Nm
Life Expectancy	100.000 hours (UR, $\theta_{hotspot} = 70^\circ\text{C}$)
Failure Rate	100 FIT

ENVIRONMENTAL

The products are RoHS, WEEE and REACH compliant.

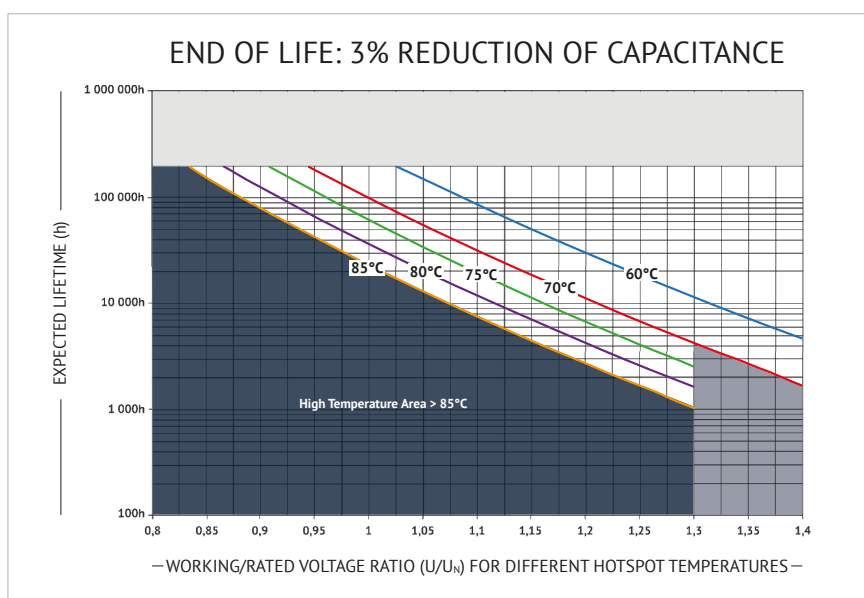
The detailed version please see separate "Environmental Certificates" document or www.jianghai-europe.com

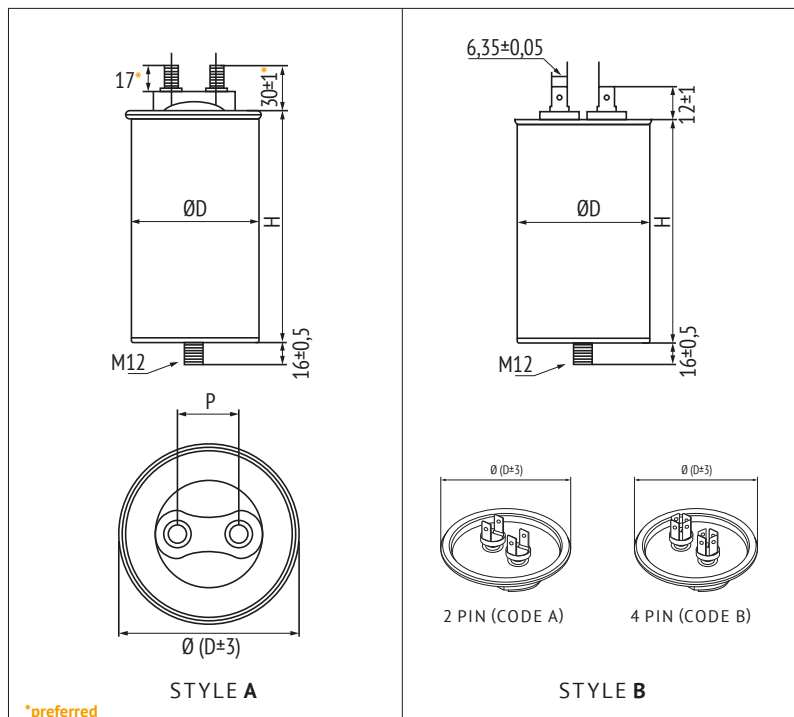
APPROVALS

UL94-V0:
Plastic & Compound Mass

UL810:
CYWT2.E483921

LIFETIME



DIMENSIONS AND CAN STYLE


CAUTION
The style has impact on the current.

in mm

MARKING

	BRAND
CBB 237	SERIES DESIGNATION
200µF ±10%	CAPACITANCE AND TOLERANCE
U_R = 250V_{AC} SH	U _R RATED VOLTAGE
U_{TC} = 3000V 50/60 HZ	U _{TC} VOLTAGE BETWEEN TERMINALS AND CASE, FREQUENCY
-40~+70°C IEC61071	TEMPERATURE RANGE, REFERENCE STANDARD
Discharge before handling	SAFETY WARNING
J37F35	DATE CODE

ORDER CODE

FC	C	4F	AQ	107	K	L	055	3	X	1	A	E3
Capacitor type	Product shape	AC rated voltage code (V)	Series code	Capacitance Code Examples (µF)	Capacitance tolerance	Diameter (mm)	Height (mm)	Terminal Style	Terminal Pitch (mm)	Stud Bolt Mounting	Can Style	For internal use
Film Cap. = FC	cylindrical = C	250 2F 330 3D 450 4F 480 4J 550 5F 600 6A 660 6G 690 6K	CBB 237 = AQ	10 106 80 806 100 107 150 157 350 357 450 457	±5% J ±10% K	50 D 55 C 60 F 63,5 E 65 G 76 H 86 L 96 W 106 K	75 075 100 100 125 125 200 200 247 247	Male M6*10 0 Male M6*20 1 Male M8*10 2 Male M8*16 9 Male M8*20 3 Male M10*10 4 Male M10*16 7 Male M10*20 5 2 Pin A 4 Pin B	13,5 X 16 Z 18 Y 20 W 30 6 32 3 35 V 50 5	bolt M12x16 1 flat, without bracket 0	Style A A Style B B	



RATINGS

U _{max} /U _n ≤70°C	C _a	dV/dt	I _{max} 50°C 1kHz	Ī ⁽¹⁾	R _s 20°C 1kHz	R _{th} ⁽²⁾	P ±0,5	D ±1,0	H ±2,0	ORDER CODE * to be defined, see ordering code table (preferred)	
(V _{ac})	(μF)	(V/μs)	(A)	(A)	(mΩ)	(K/W)	(mm)	(mm)	(mm)		
250/350 2F	60	16,7	16	999	5,2	12,6	20	50	100	FCC2FAQ606#D100#W1BE3	
	80	16,7	16	1332	4,3	11,2	20	50	100	FCC2FAQ806#D100#W1BE3	
	100	12,6	16	1260	4,8	10,0	20	50	125	FCC2FAQ107#D125#W1BE3	
	120	12,6	16	1512	5,4	9,0	20	55	125	FCC2FAQ127#C125#W1BE3	
	150	12,6	16	1890	6,8	7,7	20	60	125	FCC2FAQ157#F125#W1BE3	
	150	10,8	32	1620	3,4	7,1	30	76	125	FCC2FAQ157#H125#61AE3	
	175	12,6	16	2205	4,8	10,0	20	63,5	125	FCC2FAQ177#E125#W1BE3	
	200	11,7	34	2340	3,3	6,2	30	76	125	FCC2FAQ207#H125#61AE3	
	230	8,6	33	1978	3,8	5,7	30	76	150	FCC2FAQ237#H150#61AE3	
	250	8,6	37	2150	3,1	5,6	30	76	150	FCC2FAQ257#H150#61AE3	
	300	8,6	45	2580	2,0	4,7	30	86	150	FCC2FAQ307#L150#61AE3	
	330	10,4	45	3432	1,8	4,6	30	86	150	FCC2FAQ337#L150#61AE3	
	350	10,4	59	3622	1,6	4,2	30	76	200	FCC2FAQ357#H200#61AE3	
	400	10,4	61	4140	1,5	4,2	30	86	200	FCC2FAQ407#L200#61AE3	
	500	10,8	64	5400	1,5	3,7	30	86	200	FCC2FAQ507#L200#61AE3	
	600	8,0	64	4800	1,7	3,3	30	86	250	FCC2FAQ607#L250#61AE3	
330/460 3D	50	16,7	16	832	5,0	11,6	20	50	100	FCC3DAQ506#D100#W1BE3	
	60	12,6	16	756	5,6	10,5	20	50	125	FCC3DAQ606#D125#W1BE3	
	100	12,6	16	1260	7,9	7,8	20	60	125	FCC3DAQ107#F125#W1BE3	
	100	13,1	23	1305	4,7	7,8	30	76	125	FCC3DAQ107#H125#61AE3	
	120	7,2	24	864	4,2	7,3	20	63,5	125	FCC3DAQ127#E125#W1BE3	
	150	9,0	23	1350	5,4	6,4	30	76	150	FCC3DAQ157#H150#61AE3	
	175	8,6	25	1496	4,7	6,1	30	76	150	FCC3DAQ177#H150#61AE3	
	200	13,1	50	2610	1,9	4,7	30	76	200	FCC3DAQ207#H200#61AE3	
	200	13,1	45	2610	1,8	4,6	30	86	150	FCC3DAQ207#L150#61AE3	
	250	8,6	54	2140	1,6	4,5	30	76	200	FCC3DAQ257#H200#61AE3	
	300	13,1	59	3915	1,5	4,0	30	86	200	FCC3DAQ307#L200#61AE3	
	350	13,1	60	4570	1,5	4,0	30	86	200	FCC3DAQ357#L200#61AE3	
	400	8,1	59	3240	1,8	3,3	30	86	250	FCC3DAQ407#L250#61AE3	
	450	8,1	60	3645	1,5	4,0	30	86	250	FCC3DAQ457#L250#61AE3	
	450/630 4F	20	35,0	16	700	6,0	11,1	20	50	75	FCC4FAQ206#D075#W1BE3
		30	23,3	16	700	5,0	11,6	20	50	100	FCC4FAQ306#D100#W1BE3
33		21,2	16	700	4,5	14,8	20	50	100	FCC4FAQ336#D100#W1BE3	
40		13,5	16	540	4,0	16,6	20	50	100	FCC4FAQ406#D100#W1BE3	
50		10,8	16	540	7,9	7,8	20	60	125	FCC4FAQ506#F125#W1BE3	
50		17,1	25	855	6,0	5,3	30	76	100	FCC4FAQ506#H100#61AE3	
70		13,0	16	907	6,5	10,2	20	60	125	FCC4FAQ706#F125#W1BE3	
80		11,3	16	904	6,0	11,1	20	60	125	FCC4FAQ806#F125#W1BE3	
90		11,3	16	1020	5,0	11,6	20	63,5	125	FCC4FAQ906#E125#W1BE3	
100		10,8	35	1080	4,7	5,0	30	76	150	FCC4FAQ107#H150#61AE3	
150		13,1	40	1957	3,9	4,3	30	86	150	FCC4FAQ157#L150#61AE3	
200		13,5	50	2700	2,5	4,3	30	86	200	FCC4FAQ207#L200#61AE3	
250		8,1	50	2025	2,0	5,3	30	86	200	FCC4FAQ257#L200#61AE3	
300		8,0	50	2400	1,8	5,9	30	86	250	FCC4FAQ307#L250#61AE3	
480/675 4J		20	37,5	16	750	7,3	9,1	20	50	75	FCC4JAQ206#D075#W1BE3
		25	30,0	16	750	6,2	10,7	20	50	100	FCC4JAQ256#D100#W1BE3
	30	25,0	16	750	7,1	9,4	20	50	100	FCC4JAQ306#D100#W1BE3	
	40	21,3	16	850	8,0	8,3	20	60	100	FCC4JAQ406#F100#W1BE3	
	50	17,0	16	850	6,5	10,2	20	55	125	FCC4JAQ506#C125#W1BE3	
	50	19,0	29	950	3,2	7,7	30	76	100	FCC4JAQ506#H100#61AE3	
	60	17,6	31	1050	2,8	7,2	30	76	125	FCC4JAQ606#H125#61AE3	
	70	22,5	29	1575	3,8	6,6	30	76	125	FCC4JAQ706#H125#61AE3	
	80	15,3	31	1224	3,5	6,2	30	76	150	FCC4JAQ806#H150#61AE3	
	100	17,1	50	1710	1,5	4,8	30	76	200	FCC4JAQ107#H200#61AE3	
	150	17,1	59	2565	1,2	4,2	30	76	200	FCC4JAQ157#H200#61AE3	
	200	13,1	64	2610	1,2	3,5	30	76	250	FCC4JAQ207#H250#61AE3	
	250	11,7	65	2925	1,3	3,1	30	86	250	FCC4JAQ257#L250#61AE3	
	550/770 5F	20	30,0	16	600	6,9	9,6	20	50	100	FCC5FAQ206#D100#W1BE3
		30	25,0	16	750	6,6	10,1	20	50	125	FCC5FAQ306#D125#W1BE3
		40	18,8	16	750	6,0	11,1	20	60	125	FCC5FAQ406#F125#W1BE3
50		17,0	16	850	5,5	12,1	20	63,5	125	FCC5FAQ506#E125#W1BE3	

(1) Maximum permissible peak current, (2) Thermal resistance from hotspot to ambient (free convection)

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U_{max}/U_n ≤70°C	C_x	dV/dt	I_{max} 50°C 1kHz	$\hat{I}^{(1)}$	R_s 20°C 1kHz	$R_{th}^{(2)}$	P ±0,5	D ±1,0	H ±2,0	ORDER CODE *=" to be defined, see ordering code table (preferred)
(V _{ac})	(μF)	(V/μs)	(A)	(A)	(mΩ)	(K/W)	(mm)	(mm)	(mm)	
550/770 5F	70	12,9	31	900	3,5	6,0	30	76	150	FCC5FAQ706#H150#61AE3
	80	22,5	52	1800	1,3	5,1	30	76	150	FCC5FAQ806#H150#61AE3
	100	28,2	56	2820	1,1	4,8	30	86	150	FCC5FAQ107#L150#61AE3
	125	22,6	50	2820	2,0	5,3	30	86	200	FCC5FAQ127#L200#61AE3
	150	21,4	53	3210	1,7	3,7	30	86	200	FCC5FAQ157#L200#61AE3
	200	16,1	58	3220	1,4	3,4	30	86	250	FCC5FAQ207#L250#61AE3
	250	14,0	63	3500	1,3	3,0	30	96	250	FCC5FAQ257#W250#61AE3
	300	11,7	65	3500	1,2	2,8	30	106	250	FCC5FAQ307#K250#61AE3
600/850 6A	10	35,0	16	350	9,5	7,0	20	50	75	FCC6AAQ106#D075#W1BE3
	20	25,0	16	500	11,1	6,0	20	50	125	FCC6AAQ206#D125#W1BE3
	25	20,0	16	500	10,5	6,3	20	50	125	FCC6AAQ256#D125#W1BE3
	30	20,0	16	600	9,5	7,0	20	60	125	FCC6AAQ306#F125#W1BE3
	35	20,0	16	700	9,0	7,4	20	60	125	FCC6AAQ356#F125#W1BE3
	40	17,5	16	700	8,5	7,8	20	63,5	125	FCC6AAQ406#E125#W1BE3
	45	15,6	16	700	8,0	8,3	20	65	125	FCC6AAQ456#G125#W1BE3
	50	17,0	41	850	2,0	5,4	30	76	150	FCC6AAQ506#H150#61AE3
660/930 6G	10	40,0	16	400	10,5	6,3	20	50	125	FCC6GAQ106#D125#W1BE3
	12	35,0	16	420	10,0	6,6	20	50	125	FCC6GAQ126#D125#W1BE3
	15	28,0	16	420	9,5	7,0	20	50	125	FCC6GAQ156#D125#W1BE3
	18	25,0	16	450	9,0	7,4	20	50	125	FCC6GAQ186#D125#W1BE3
	20	27,5	16	550	8,5	7,8	20	55	125	FCC6GAQ206#C125#W1BE3
	25	22,0	16	550	8,0	8,3	20	60	125	FCC6GAQ256#F125#W1BE3
	30	25,0	16	750	7,5	8,9	20	65	125	FCC6GAQ306#G125#W1BE3
	35	21,4	30	750	5,6	3,0	30	76	150	FCC6GAQ356#H150#61AE3
	40	22,5	30	900	5,2	3,2	30	76	150	FCC6GAQ406#H150#61AE3
	45	20,0	40	900	5,0	2,2	30	86	150	FCC6GAQ456#L150#61AE3
	50	20,0	40	1000	4,7	2,5	30	86	150	FCC6GAQ506#L150#61AE3
	690/980 6K	10	75,0	16	750	9,5	7,0	20	50	125
15		50,0	16	750	9,0	7,4	20	50	125	FCC6KAQ156#D125#W1BE3
20		45,0	16	900	8,5	7,8	20	55	125	FCC6KAQ206#C125#W1BE3
30		30,0	16	900	8,0	8,3	20	63,5	125	FCC6KAQ306#E125#W1BE3
40		28,8	25	1150	4,8	5,0	30	76	150	FCC6KAQ406#H150#61AE3
50		23,0	30	1150	4,3	4,0	30	86	150	FCC6KAQ506#L150#61AE3
70		18,0	30	1260	3,7	4,5	30	76	250	FCC6KAQ706#H250#61AE3
85		18,0	50	1530	2,0	3,0	30	86	250	FCC6KAQ856#L250#61AE3
100		18,0	53	1800	1,8	3,4	30	86	250	FCC6KAQ107#L250#61AE3
125		12,5	50	1560	1,8	3,3	30	106	250	FCC6KAQ127#K250#61AE3
150		12,5	59	1875	1,4	3,0	30	106	250	FCC6KAQ157#K250#61AE3
170		12,5	59	2125	1,2	3,5	30	106	250	FCC6KAQ177#K250#61AE3

(1) Maximum permissible peak current, (2) Thermal resistance from hotspot to ambient (free convection)



HANDLING PRECAUTIONS

WARRANTY The information contained in this datasheet does neither form part of any quotation nor of a contract, it is believed to be accurate, reliable and up to date. Quality data are based on the statistical evaluations of a large quantity of parts and do not constitute a guarantee in a legal sense. However, agreement on these specifications does mean that the customer may claim for replacement of individual defective capacitors within the terms of delivery. We cannot assume any liability beyond the replacement of defective components. This applies in particular to any further consequences of component failure. Furthermore it must be taken into consideration that the figures stated for lifetime and failure rates refer to the average production status and are therefore to be understood as mean values (statistical expectations) for a large number of delivery lots of identical capacitors. These figures are based on application experience and data obtained from preceding tests under normal conditions, or – for purpose of accelerated aging – more severe conditions. JIANGHAI reserves the right to change these specifications without prior notice. Any application information given is advisory and does not form part of any specification. The products are not primarily designed for use in life supporting applications, devices or systems where malfunction of these products can reasonably be expected to result in personal injury. JIANGHAI customers using or selling these products for use in such applications without prior written consent of JIANGHAI do so at their own risk and agree fully to indemnify JIANGHAI for any damage resulting from such improper use or sale. This version of the datasheet supersedes all previous versions.

NOMINAL CAPACITANCE C_n Nominal Capacitance is defined at 20°C and 50Hz (120Hz).

RATED VOLTAGE U_R, U_N Rated Voltage is the maximum operating peak voltage of either polarity but of a non-reversing type waveform (DC capacitors only), for which the capacitor has been designed, for continuous operation. The Rated Voltage is marked on the capacitor. See also Voltage Derating tables.

RATED AC VOLTAGE U_{RMS} Maximum RMS value for the sinusoidal alternating voltage.

OPERATING VOLTAGE The plastic film capacitor varies in the maximum applicable voltage depending on the applied voltage waveform, current waveform, frequency, ambient temperature (capacitor surface temperature), capacitance value, etc. Be sure to use capacitors within the specified values by checking the voltage waveform, current waveform, and frequency applied to them (In the application of high frequency, the permissible voltage varies with the type of the capacitor. Refer to the specification for details.)

NON-RECURRENT SURGE VOLTAGE U_S Peak voltage induced by a switching or any other disturbance of the system which is allowed for a limited number of times and for durations shorter than the basic period.

- Maximum duration: 50 ms / pulse

- Maximum number of occurrences: 1000 (during load)

MAXIMUM RATE OF VOLTAGE RISE dV/dt Maximum permissible repetitive rate of voltage rise of the operational voltage.

MAXIMUM CURRENT I_{MAX} Maximum Rms Current for continuous operation, see Current Derating tables.

MAXIMUM PEAK CURRENT \hat{I} Maximum permissible repetitive peak current which can occur during continuous operation. $\hat{I} = C_n \cdot (dV/dt)$

MAXIMUM SURGE CURRENT \hat{I}_S

- Maximum duration: 50 ms / pulse

- Maximum number of occurrences: 1000 (during load)

SERIES RESISTANCE R_s Effective ohmic resistance of the conducting elements of the capacitor.

EQUIVALENT SERIES RESISTANCE ESR The ESR represents all ohmic resistances: $ESR = \tan\delta / (\omega C) = R_s + \tan\delta / (\omega C)$

DIELECTRIC DISSIPATION FACTOR $\tan\delta$ Constant dissipation factor of the dielectric material.

LOSS FACTOR $\tan\delta$ The dissipation factor is the ratio between the reactive and effective power.

HOTSPOT TEMPERATURE $\Theta_{HOTSPOT}$ Temperature at the hottest position inside the capacitor.

$\Theta_{HOTSPOT} = \Theta_{AMBIENT} + P_{LOSS} \cdot R_{TH}$
 R_{TH} : thermal resistance, P_{LOSS} : Powerloss $P_{LOSS} = ESR \cdot I_{RMS}^2$, $\Theta_{AMBIENT}$ = ambient temperature

CHARGING AND DISCHARGING Because the charging and discharging current of capacitor is obtained by the product of voltage rise rate (dV/dt) and capacitance, low voltage charging and discharging may also cause deterioration of capacitor such as shorting and open due to sudden charging and discharging current. When charging and discharging, pass through a resistance of 20Ω/V to 1000Ω/V or more to limit the current. When connecting multiple film capacitors in parallel in withstand voltage test or life test, connect a resistance of 20Ω/V to 1000Ω/V or more in series to each capacitor. In addition, **capacitors must be discharged via a resistor before handling.** Because the capacitors do not have any discharge resistors built-in, there is a risk of residual voltages and electric energy contents that might be dangerous.

OPERATING CURRENT The pulse (or AC) current flowing through the capacitor is expressed as: $\hat{I} = C \cdot dV/dt$. Due to the fact that the dissipation factor of the capacitor is greater than zero, heat will be generated in any application where alternating currents or pulses occur. The resulting internal temperature rise may cause a severe deterioration of the capacitor's withstanding voltage, or may lead to a breakdown (even smoke or fire may result). Therefore, the safe use of capacitor must be within the rated voltage (or category voltage) and the permissible current ranges. The rated current must be considered by dividing into pulse current (peak current) and continuous current (rms current) depending on the break down mode, and when using, should make sure the both currents are within the permissible range.

TEMPERATURE RANGE AND ALTITUDE Use film capacitors only within the specified operating temperature range. The altitude and barometric pressure have an impact on the functionality of the capacitor. Max. Altitude: 2000m above sea level

EXPECTED LIFETIME The expected lifetime of the capacitor depends on the applied voltage and the hot spot temperature during operation. For capacitors applied in different situations, the obtainable average service lives are different. Please refer to the life time diagrams of each series.

FAILURE RATE λ (FAILURE IN TIME FIT) 1 FIT = 1/10⁹h (1 failure per 10⁹ components test hours), $\lambda = r/(nt)$

r = number of failure, n = test number, t = test time

INSULATION VOLTAGE U_i Rms value of AC voltage designed for the insulation between terminals of the capacitor to case or earth. The insulation voltage is equal to the rated voltage of the capacitor, divided by, unless otherwise specified.

INSULATION RESISTANCE R_i Ratio between applied DC Voltage and resulting leakage current after 1 minute of charge. It is defined in MΩ. Typically it is given as time constant $R_i \cdot C$ [μF] in seconds.

VOLTAGE BETWEEN TERMINALS U_{TT} Voltage between terminals.

VOLTAGE BETWEEN TERMINALS AND CASE U_{TC} Voltage between terminals and case.

BUZZING NOISE Any buzzing noise produced by a capacitor is caused by the vibration of the film due to the Coulomb force that is generated between the electrodes with opposite poles. It is of no harm to the capacitor.

SURFACE OVER TEMPERATURE $\Delta\Theta_{CASE}$ When current continuously flow through the capacitor, the temperature inside the capacitor will rise induced by dissipated heat. If the temperature exceeds the maximum allowed hot-spot temperature, it might cause a short circuit or fire. The limits described in the catalogue must not be exceeded and it's necessary to check the temperature on the capacitor's surface in operation.

FLAME RETARDATION Although flame retarding PU resin or plastic case material is used in the coating or encapsulation of plastic film capacitors, continuous exposure to high temperature ambient or fire will break the coating layer or plastic case of the capacitor, and may lead to melting and ignition of the capacitor element.

HUMID AMBIENT If used for a long time in a humid ambient, the capacitor might absorb humidity and oxidize the electrodes causing damage to the capacitor. In case of AC application, high humidity would increase the corona effect. This phenomenon causes a drop in capacitance and an increase of capacitor losses. Humidity needs to be avoided. If needed please inform Jianghai separately for technical adopted components.

STORAGE CONDITIONS 1) Capacitors must not be stored in corrosive atmospheres, particularly not when chlorides, sulfides, alkali, acids, lye, salts, organic solvents or similar substances are present. 2) It must not be stored in high temperature and/or high humidity environments. The following storage conditions must be kept (applicable only for storage in the original package): Temperature: ≤ 35 °C; Humidity: ≤ 80% RH, no dew allowed on the capacitor; Storage time: ≤ 24 months

MOUNTING Other devices, which are mounted near the capacitor, should not touch the capacitor. Additional heat coming from other components near the capacitor may reduce the lifetime of the capacitor. Do never attempt to bend or twist the capacitor after mounting and avoid any mechanical stress on the terminals. Never exceed the max. permissible torques when tightening the terminal screws or the mounting bolt's cap nuts.

CAUTION & WARNINGS Do not touch the terminals of capacitors. The energy stored in capacitors may be lethal. Ensure that the operating environment of the equipment into which the capacitor has been built, is within the specified conditions. Capacitors must not be used in corrosive atmospheres, particularly not when chlorides, sulfides, alkali, acid, lye, salts, organic solvents or similar substances are present. Electrical or mechanical misapplication may be hazardous. Personal injury or property damage may result from bursting of the capacitors or from expulsion of melted material.

Jianghai Europe GmbH, v3 0620

JIANGHAI EUROPE

Electronic Components GmbH



ENGINEERED SOLUTIONS

Customer specific adaptations needed? Please contact JIANGHAI Europe GmbH:

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ABOUT US

Capacitors from Jianghai

JIANGHAI EUROPE ELECTRONIC COMPONENTS GMBH IS THE EUROPEAN SALES ORGANIZATION OF NANTONG JIANGHAI CAPACITOR CO., LTD., NANTONG (CHINA). SINCE 2004, SALES, MARKETING, TECHNICAL SUPPORT, CUSTOMER SERVICE TEAM AND WAREHOUSE OF JIANGHAI EUROPE ELECTRONIC COMPONENTS GMBH ARE LOCATED IN KREFELD AND KEMPEN (GERMANY).

» ELECTROLYTIC CAPACITORS

Jianghai has grown since its foundation in 1958 to become the largest Chinese manufacturer of aluminum capacitors generating revenues of more than 500 million USD in 2019. While Jianghai started in the beginning with the production of specialty chemicals (e.g., electrolyte solutions), it entered the production of aluminum electrolytic capacitors already in 1970.



» INTEGRATION OF PREMATERIAL

More recently, Jianghai extended its production range by integrating high and low voltage anode foil etching and forming facilities. All factories are located in mainland China: the most important ones are in Nantong (north to Shanghai), in Inner Mongolia, and in Xi'An area. Jianghai is well prepared for further expansion due to its successful entrance to the stock market in summer 2010.

» FILM CAPACITORS

Jianghai's product range comprises aluminum electrolytic capacitors in screw terminal, snap-in and radial leaded styles. In 2012, the product portfolio was complemented by a range of power film capacitors. For this new business unit, Jianghai also follows the strategy of vertical integration and thus the production will extend from the preparation of the plastic film to the assembly of the finished goods. The product portfolio of DC-Link and Snubber capacitors has been enlarged in the year 2016 by AC-film and X/Y capacitors. Highly automated production facilities ensure the efficient mass production of film capacitor modules. Driven by the thriving electric vehicle market in China, Jianghai has attained a leading position for the supply of these customer specific components.



» POLYMER CAPACITORS

The year 2013 was marked by a major breakthrough in R&D for polymer aluminum electrolytic capacitors: the voltage proof for these ultra-low ESR products was pushed out to as much as 200V, enabling the utilization of these advanced capacitors in more applications, e.g. in white goods, industrial automation, telecom infrastructure, power supplies, and LED ballasts.

» CAPACITOR COMPETENCE CENTER

Global presence of experienced sales and technical marketing experts at offices in Europe, Asia and the Americas ensure the local support of our customers based on sound know-how in all project phases. In 2014 Jianghai Europe has established an additional service for its customers in Europe: Experts for capacitors are awaiting telephone calls or emails at the CCCenter as a kind of hotline for all kind of technical requests.



» CUSTOMIZED PRODUCTS

Jianghai's particular strength as a volume manufacturer is to offer customized products. Jianghai focuses on the demanding professional industrial segment with many power electronics applications. Research and development in collaboration with several specialized university institutes as well as the access to all vital pre-materials enable Jianghai to create engineered, customized solutions to fit smoothly into a specific application.

Jianghai is continuously improving processes, thereby enhancing the quality of its products and services. The list of certificates awarded to Jianghai reflects its level of achievement. In the year 2013, the Jianghai Europe sales office has become certified according to ISO9001 and ISO14001.

» CONTACT

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