



规格承认书

(SPECIFICATION FOR APPROVAL)

TO: _____

产品名称: CBB62 X2 电容器

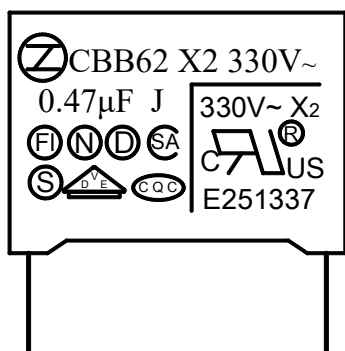
PRODUCT NAME: CBB62 X2 CAPACITOR

产品规格: 0.47μFJ330VAC

PRODUCT TYPE: 0.47μFJ330VAC

日期: 2021.08.06

D A T E: 2021.08.06



CLIENT			ZHENHUA		
TEST	UNDERTAKE	ADMIT	APPROVAL	UNDERTAKE	DEPARTMENTS SIGNATURE
			齐华桥	王雪丽	
DATE			DATE	2021.08.06	

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Product description

Size instructions

	Type	Specification	Finished size(mm)					
			W	H	T	P	L	D
	CBB62 X2	0.47μFJ330VAC	26.5	19	10	22.5	>15	0.8

Main raw materials **Print instructions**

Thin film	Metallized polypropylene film evaporation	
Spray gold	Zinc tin alloy	
Guide line	Tinned copper clad steel wire	
The shell	PBT Engineering Plastics(Black)	
Packaging material	Flame retardant epoxy potting compound	

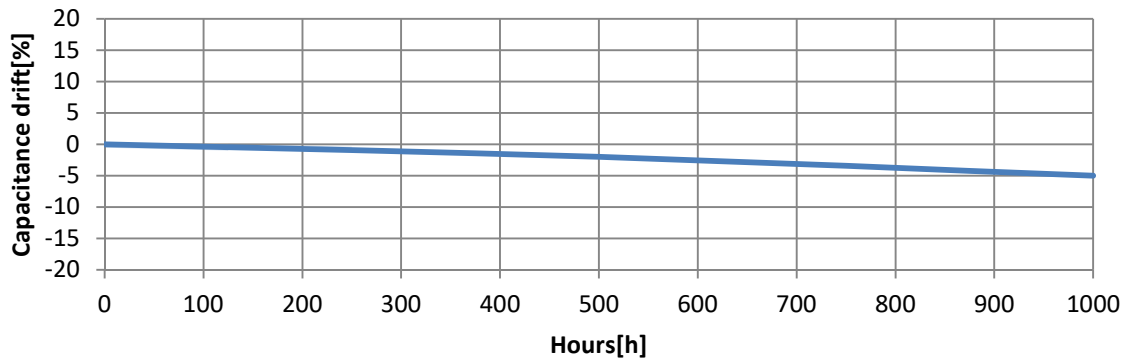
Electrical characteristics

Number	Item	Value	
1	Capacitance range	0.001-2.2μF	
2	Capacitance tolerance	J(±5%), K(±10%)	
3	Dissipation Factor	0.1% at 10KHz and 25°C	
4	Insulation resistance	C ≤ 0.33μF	≥ 32000MΩ
		C > 0.33μF	≥ 15000MΩ
5	Rated voltage	330VAC	
6	Test voltage	2000VDC	
7	Operating temperature	Minimum limint temperature	-40°C
		Maximum limint temperature	+100°C
8	Welding standard	Temperature	260±5°C
		Time	5±0.5S

Leadthe,appearance of abnormal.
Theleaching of leadfrom the root.1mm
Followng,Lead tin area should be >90%

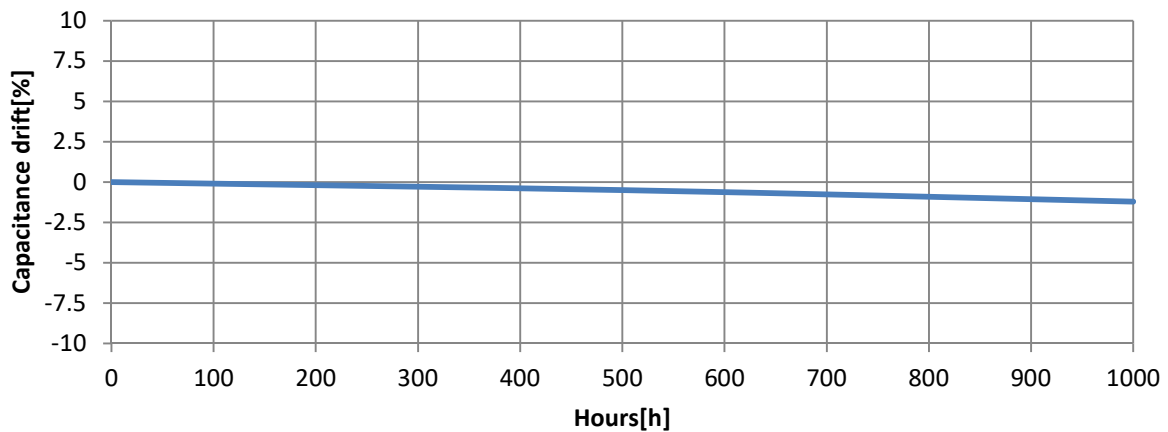
Test report					
Electrical characteristics					
Number	Capacitance test		Dissipation Factor	Test voltage	Insulation resistance
	423—517	nF	≤ 0.0010	2000VDC	$\geq 15000M\Omega$
1	470.8	nF	0.0006	OK	OK
2	472.4	nF	0.0006	OK	OK
3	470.3	nF	0.0007	OK	OK
4	475.8	nF	0.0006	OK	OK
5	472.3	nF	0.0007	OK	OK
6	468.3	nF	0.0007	OK	OK
7	471.5	nF	0.0006	OK	OK
8	470.6	nF	0.0006	OK	OK
9	467.2	nF	0.0007	OK	OK
10	468.1	nF	0.0007	OK	OK
Testing instrument	A.C.C.A		LCR Meter	T.V Meter	IR Meter
Test frequency	10KHz				
Test standard					
Item	Test conditions			Standard requirements	
High temperature aging	Temperature 85 ± 5 °C, voltage 380VAC, time 30 hours			$\Delta C \leq 2\%$, $tg\delta \leq 10 \times 10^{-4}$	
Short-circuiting	1KVDC, 1.5KVDC, 2KVDC Positive and negative short-circuit discharge 5 times			$\Delta C/C \leq 2\%$, $tg\delta \leq 20 \times 10^{-4}$	
Charge discharge test	1KVDC, charge and discharge 10000 times			$\Delta C/C \leq 2\%$, $tg\delta \leq 10 \times 10^{-4}$	
Marker solvent resistance	Trichloroethylene soak for 10 minutes			Epoxy no leakage, clear	
Resistance welding	Temperature 260 ± 5 °C, time 10 seconds			$\Delta C/C \leq 5\%$, $tg\delta \leq 20 \times 10^{-4}$	
Moisture test	Temperature 40 ± 2 °C, humidity of $90\% \pm 3\%$ RH, time 21 days			$\Delta C/C \leq 5\%$	
Durability	Temperature 85 ± 5 °C, 380VAC voltage, under 1000 hours			$\Delta C/C \leq 5\%$, $tg\delta \leq 20 \times 10^{-4}$	
Pin resistance	Pin plus 10N pull			No visible damage	
High temperature and high humidity	The whole table in temperature 85 ± 2 °C, humidity of $85\% \pm 3\%$, 120V or 240V 1000h			$\Delta C/C \leq 10\%$	
Test frequency	10KHz				

High temperature and high humidity



In the testing environment (temperature 85 °C ,relative humidity 85%, 240VAC), During the 500 hours' continuous operating, $c \leq 5\%$. During the 1000 hours' continuous operating, $c \leq 10\%$. $\text{tg} \delta \leq 3 \cdot 10^{-3}$

Durability test



In the testing environment (temperature 85 °C ,380VAC), During the 1000 hours' continuous operating, $c \leq 1.5\%$, $\text{tg} \delta \leq 3 \cdot 10^{-3}$.