 威迪電子(東莞)有限公司		制作日期	2013-10-10	版本	04
文件名稱	CBB61 電容器 AC Motor running capacitor	文件編號	WD-AP-24	頁次	07/01

1. Scope :

This specification applied to capacitor for type CBB61 Metallized Polypropylene Film AC Motor running Capacitor.

2. Operation Temperature :

- 40°C ~ + 85°C

3. Capacitance Range :

1uF ~ 10 uF

4. Capacitance Tolerance :

±5%(J) 、±10%(K) 、±20%(M)

5. Rated Voltage :

250VAC 、300VAC 、350VAC 、400VAC 、450VAC

6. Rated Frequency:

50 ~ 60 Hz

7. Class of safety protection:

P0/S0

8. Class of operation:

C




9. Life expectancy:

3000 h

11. Type of termination

Wire termination,PVC single core cable,Flat quick connectors

12. Approvals File No

Related Standard		Certificate No	Approved Monogram
CQC	GB/T3667.1 - 2005	14002111396 -----250VAC 14002111442 -----400VAC 10002042525 -----450VAC	 (China)
VDE	EN60252-1:2011	40034955	 (Germany)
UL	UL810	E353342	 (USA)

 威迪電子(東莞)有限公司		制作日期	2013-10-10	版本	04
文件名稱	CBB61 電容器 AC Motor running capacitor		文件編號	WD-AP-24	頁次 07/02

13. Winday Part No. :

□□□□ □ □□□□ □ □□□□□ □ □ □□ □□
 1 2 3 4 5 6 7 8 9
 (tape) (Internal use) (capacitance) (tolerance) (Box Type) (Ac) (lead forming) (lead pitch) (lead length)

13-1 tape :

Code	SMCB
Tape	CBB61

13-2 Internal use

13-3 Capacitance :

Code	105	505	805	106
Capacitance	1uF	5uF	8uF	10uF


13-4 Tolerance :

Code	J	K	M
Tolerance	±5%	±10%	±20%

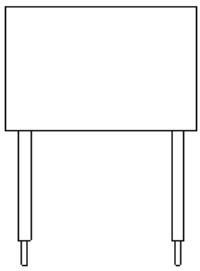
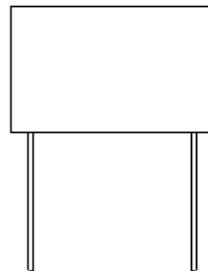
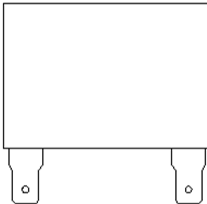
13-5 BOX TYPE:

Code	TB39	TB30	TB20	TB35
Size(mm)	38(L) × 26(H) × 16(T)	38(L) × 28(H) × 18(T)	38(L) × 30(H) × 20(T)	48(H) × 30(H) × 20(T)
Code	TB31	TB40	TB9	/
Size(mm)	48(L) × 32(H) × 22(T)	48(H) × 37(H) × 26(T)	58(H) × 38(H) × 26(T)	/

13-6 A-AC

 威迪電子(東莞)有限公司		制作日期	2013-10-10	版本	04
文件名稱	CBB61 電容器 AC Motor running capacitor	文件編號	WD-AP-24	頁次	07/03

13-7 Lead forming :

Code	PVC Thread	CP Thread	Terminal
Lead Forming			

13-8 Lead Pitch : Showing the capacitor lead pitch, For example :


Code	30	38	40	50
Pitch(mm)	30mm	37.5mm	40mm	50mm


13-9 Lead length : Showing the capacitor lead Length, For example :

Code	30	40	50	60	70	80	90
Length(mm)	30mm	40mm	50mm	60mm	70mm	80mm	90mm

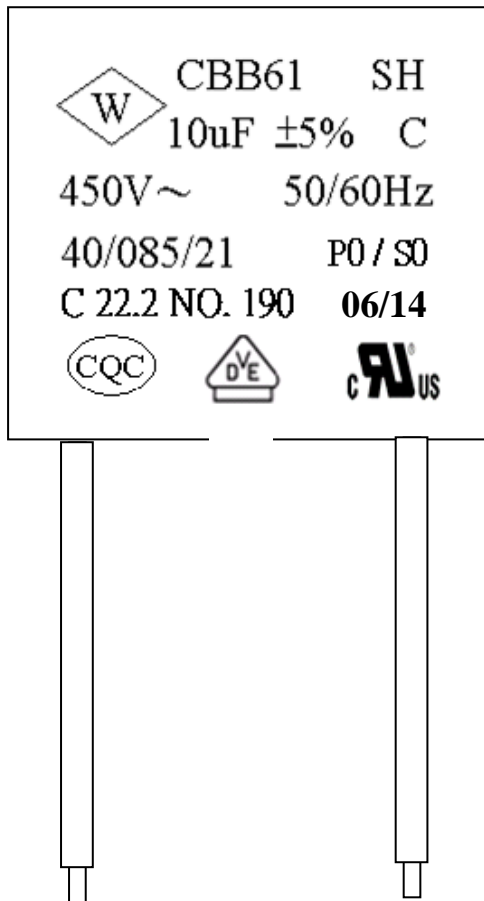
14. Specifications (IEC60252-1&GB/T3667.1-2005)


No	Test items	Performance	Test Method
14-1	Withstand voltage (Between Terminals)	Shall be no abnormality	Rated Voltage \times 1.414 \times 175% of 60 sec(VDC).
	Between terminal and Enclosure	Shall be no abnormality	UR \times 200%+1000VAC, For 60sec.
14-2	Insulation resistance (Between Terminals)	IR \geq 3,000 M Ω \div (C) uF	Measured at 100 \pm 15VDC, For 60sec / 25 $^{\circ}$ C
14-3	Capacitance	Within the tolerance specified	1KHz, 1Vrms Max. at 25 $^{\circ}$ C
14-4	Dissipation Factor	\leq 0.002 (0.2%)	1KHz, 1Vrms Max. at 25 $^{\circ}$ C

 威迪電子(東莞)有限公司		制作日期	2013-10-10	版本	04
文件名稱	CBB61 電容器 AC Motor running capacitor		文件編號	WD-AP-24	頁次 07/04
14-5	Tense Strength of Terminal	No wire breakage and No Damage of Capacitor	1. Load Force : 1.0 Kg 2. Holding Time : 10 ± 1sec		
14-6	Bending Strength of Terminal	No wire breakage and No Damage of Capacitor	1. Load Force : 0.5 Kg 2. Bending Time : 4 x 90 ° in 5sec		
14-7	Vibration	(1) Appearance : No Visible Damage (2) Contact : Normal	a. Frequency change : 1min. per cycle 10~55~10Hz b. Vibration distance : 1.5mm c. course: X、Y、Z (axis) d. Time : 2h / axis (6h in total)		
14-8	Solder-ability	1. Appearance : No Visible Damage 2. Covering an area of > solder 95%	Soldering Peocess 1.Capacitor preheating temperature of T < 120 °C 2.Preheating time capacitor t < 5 min Single wave soldering 1.Solder temperature: 270±5°C 2.Solder time: 2±0.5sec		
14-9	Humidity Resistance	(1) Appearance : No Visible Damage (2) Withstand Voltage : Normal (3) Capacitance Change : ≤ ±0.5% (4) Insulation Resistance: ≥50%of the rated value (5) DF (tanδ) ≤ 0.002	a. TEST TEMPERATURE: 40°C ± 2°C b. RELATIVE HUMIDITY: 90 ~ 95% c. Test Times: 500±8 HRS		
14-10	Heat Resistance (Continuous)	(1) Appearance : No Visible Damage (2) DF (tanδ) ≤ 0.002 (3) Capacitance Change : ±3% of The Initial Value (4) Insulation Resistance: ≥50%of the rated value	a. Test Voltage : 125% of The Rated Voltage tset. b. Test Temperature: 85°C±2°C c. Test Times: 600H		

 威迪電子(東莞)有限公司		制作日期	2013-10-10	版本	04
文件名稱	CBB61 電容器 AC Motor running capacitor	文件編號	WD-AP-24	頁次	07/06

16. Marking :




	WINDAY CO. LOGO
CBB61	METALLIZED POLYPROPYLENE FILM
SH	Self-healing nature of
10UF	CAPACITANCE
±5%	CAPACITANCE TOLERANCE
C	Rank
450V~	FOR AC VOLTAGE
50/60Hz	Frequency
40/085/21	G-Working Lowest Temperature (- 40°C) M-Working highest Temperature (+85°C) F- Working Times (21days)
P0/S0	Class of safety protection

17.Storage conditions and duration

Packaged capacitors should be kept in clean, ventilated, dry coffers, not near the heat source, not subject to direct sunlight, is strictly prohibited and chemical reagents, acid and harmful gas storage together.

Capacitor at a temperature within the range 20 ~ 25 °C, humidity less than 50% of the state of storage for one year.

 威迪電子(東莞)有限公司		制作日期	2013-10-10	版本	04
文件名稱	CBB61 電容器 AC Motor running capacitor		文件編號	WD-AP-24	頁次 07/07

18. Sample Test Record :

CUSTOMER	WD	P/N	Part name				QUAN TITY			
	TDI	P/N	Description							
SMPLING	MILSTD-1916DOL-UOS-OFULL INSP				VL 允收水準		N /	A /	R	
PLAN					Electricity:IV		/	/		
					Apperance: IV		/	/		
Sample no	Sepec limit	One	Two	Three	Four	Five	Six	Seven	Eight	
Capacitance value	()-() UF									
Dissipatance Factor	≥ ()%									
Voltage Proof	()VAC For60Sec									
Insulation resistance	≥ ()M Ω (100VDC, 60Sec)									
Width	()mm(±0.5mm)									
Height	()mm(±0.5mm)									
Thickness	()mm(±0.5mm)									
Lead Pitch	()mm(±0.5mm)									
Lead Size	> ()mm									
LeadDiameter	()mm(±0.05mm)									
Test instrument		1V		Solder heat resitance			Soider temperature		270±5°C	
							Dipping time		2±0.5Second	
Test Firequency		1KHz					Dipping depth		>95%	
							result		<input type="checkbox"/> OK <input type="checkbox"/> NG	
Result	<input type="checkbox"/> ROHS			<input type="checkbox"/> ACCEPT			<input type="checkbox"/> REJECT			
Remark										
Examin				Teste						