



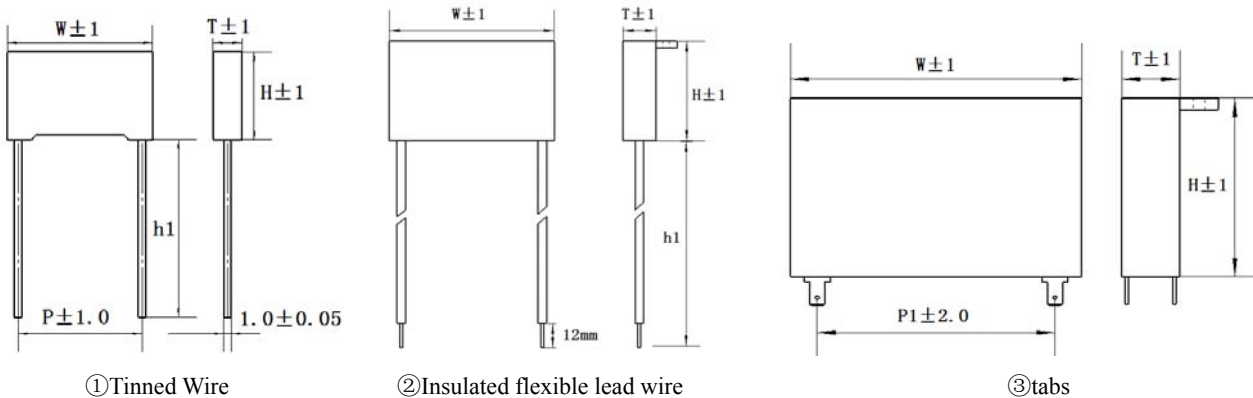
CBB61G

中星 CBB61G series

## CBB61G 型金属化聚丙烯薄膜交流电动机电容器（塑料外壳）

## Metallized Polypropylene Film AC Motor Capacitor (Plastic Box Type)

### ◆ 外形尺寸图 Outline Drawing



### ◆ 特点及用途 Application and Feature

适用于频率为 50Hz/60Hz 的交流电源供电的单相电动机启动和运转，有自愈特性，性能稳定，可靠性高，失效时呈开路，更安全。

Widely applied to starting and running of AC single-phase motors at 50Hz/60Hz frequency power. Self-healing property, extremely stable performance and reliability, failed in open circuit mode, more safety.

### ◆ 技术要求 Specifications

参照标准 Reference Standard	GB/T 3667.1、IEC 60252-1		
气候类别 Climatic Category	40/85/21		
额定电压 Rated Voltage	500Vac/450Vac (50~60Hz)		
工作温度范围 Operation Temperature Range	-40°C~85°C		
防护等级 Degree of Protection	S3	表示该类电容器失效后呈开路状态，并且是防火或防爆的	
		Indicates that the capacitor failed in open circuit mode only and is protected against fire or shock hazard.	
电容量 Capacitance Range	0.5μF~10.0μF		
电容量偏差 Capacitance Tolerance	±5%(J)、±10%(K)(20±5°C,1kHz)		
运行等级 Class of Operation	Class C (for 500Vac/450Vac) Class B (for 450Vac)		
最高运行电压/最高运行电流 Maximum Permissible Voltage/Current	1.1UN/1.3IN		
耐电压 Voltage Proof	引线之间 Between Terminals	450 Vac	500 Vac
		900Vac (2s)	1000Vac (2s)
	极壳之间 Between Terminals to Case	3000Vac (1min)	
绝缘电阻 Insulation Resistance	IR×C≥3 000s (20°C, 1min, 100Vdc)		
损耗角正切 Dissipation Factor	1kHz: Tan δ≤0.0020		

### ◆ 安全认证 Safety Approval

	CQC (中国)	GB 3667.1 交流电动机用电容器 1.0~10 μF, 500Vac Class C or 450Vac Class B, S3, SH, 40/85/21 Certificate No.: CQC18006197484
	UL-CUL (美国/加拿大)	UL 810, CSA C22.2, No. 190-14 Certificate No.: E469110
	TUV Rheinland (欧盟)	EN60252-1:2013 A.C. motor capacitors 1.0~10 μF, 500Vac Class C or 450Vac Class B, S3, SH, 40/85/21 Certificate No.: R50409127

◆ 产品代码编写说明: Part number code system:

16 位产品代码如下: The 16 digits part number is formed as follow:

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

C	B	6	G												
---	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--

第 1~4 位	薄膜电容器系列代码 CB6G=CBB61G	Digit 1~4	Series code of film capacitor CB6G=CBB61G
第 5~7 位	标称容量代码 举例: 103=10×10 <sup>3</sup> pF=0.01 μ F	Digit 5~7	Rated capacitance value code For example: 103=10×10 <sup>3</sup> pF=0.01 μ F
第 8 位	容量等级代码 J=±5% K=±10%	Digit 8	Capacitance tolerance code J=±5% K=±10%
第 9~10 位	交流额定电压代码 S2=450Vac H2=500Vac	Digit 9~10	AC rated voltage code S2=450Vac H2=500Vac
第 11 位	引线脚距代码 (引线式) 9=22.5 B=27.5 D=32.5 E=37.5  外壳宽度 W (插片或绝缘软引线)  1=32mm 2=37mm 3=42mm 4=47mm 5=57mm	Digit 11	Pitch code (for tinned wire) 9=22.5 B=27.5 D=32.5 E=37.5  wide of case (for tabs and insulated flexible lead wire)  1=32mm 2=37mm 3=42mm 4=47mm 5=57mm
第 12 位	内部特征码	Digit 12	Internal use
第 13~16 位	引出端代码 (见表 1)	Digit 13~16	Terminals code (Referring to table 1)

表 1 引出端代码

Table1 Terminals code

第13位 Digit13		第14~15位 Digit14~15		第 16 位 Digit16	
代码 Code	引出端形式 Terminals code	代码 Code	引出端长度 Lead length	代码 Code	引出端长度偏差 Lead length tolerance
B	镀锡引线	00	标准镀锡引线长度5.5mm 或 标准绝缘软引线长度110mm	0	镀锡引线长度公差±0.5 或 绝缘软引线长度公差±10 或 插片式
R	绝缘软引线	45	镀锡引线长度 4.5mm 或 绝缘软引线长度 450mm		
C	插片引出	11	插片AMP187#每边一个		
		12	插片AMP187#每边两个		
		21	插片AMP250#每边一个		
		22	插片AMP250#每边两个		



# CBB61G

CBB61G series

◆ 产品尺寸: **Product Dimension:**

450 <sup>▲</sup> /500Vac								
C (μF)	W	H	T	引线式 Tinned Wire		插片式 tabs	产品代码 Part number	
				P	d	P1	引线式 Tinned Wire	软引线或插片式 flexible wire or tabs
1.0	32.0	23.0	13.0	27.5	1.0	22.0	CB6G105-H2B0****	CB6G105-H210****
1.2	32.0	25.0	14.0	27.5	1.0	22.0	CB6G125-H2B0****	CB6G125-H210****
1.4	32.0	28.0	14.0	27.5	1.0	22.0	CB6G145-H2B0****	CB6G145-H210****
1.5	32.0	28.0	14.0	27.5	1.0	22.0	CB6G155-H2B0****	CB6G155-H210****
1.6	32.0	28.0	17.0	27.5	1.0	22.0	CB6G165-H2B0****	CB6G165-H210****
1.8	32.0	28.0	17.0	27.5	1.0	22.0	CB6G185-H2B0****	CB6G185-H210****
2.0	32.0	30.0	18.0	27.5	1.0	22.0	CB6G205-H2B0****	CB6G205-H210****
2.2	32.0	30.0	20.0	27.5	1.0	22.0	CB6G225-H2B0****	CB6G225-H210****
2.5	32.0	33.0	20.0	27.5	1.0	22.0	CB6G255-H2B0****	CB6G255-H210****
2.7	32.0	37.0	22.0	27.5	1.0	22.0	CB6G275-H2B0****	CB6G275-H210****
3.0	32.0	37.0	22.0	27.5	1.0	22.0	CB6G305-H2B0****	CB6G305-H210****
3.3	32.0	37.0	22.0	27.5	1.0	22.0	CB6G335-H2B0****	CB6G335-H210****
3.5	32.0	37.0	25.0	27.5	1.0	22.0	CB6G355-H2B0****	CB6G355-H210****
4.0	32.0	37.5	27.5	27.5	1.0	22.0	CB6G405-H2B0****	CB6G405-H210****
1.0	37.0	23.0	13.0	32.5	1.0	27.0	CB6G105-H2D0****	CB6G105-H220****
1.2	37.0	24.0	14.0	32.5	1.0	27.0	CB6G125-H2D0****	CB6G125-H220****
1.5	37.0	27.0	15.0	32.5	1.0	27.0	CB6G155-H2D0****	CB6G155-H220****
1.6	37.0	27.0	15.0	32.5	1.0	27.0	CB6G165-H2D0****	CB6G165-H220****
1.8	37.0	30.0	16.0	32.5	1.0	27.0	CB6G185-H2D0****	CB6G185-H220****
2.0	37.0	30.0	16.0	32.5	1.0	27.0	CB6G205-H2D0****	CB6G205-H220****
2.2	37.0	30.0	18.0	32.5	1.0	27.0	CB6G225-H2D0****	CB6G225-H220****
2.5	37.0	33.0	18.0	32.5	1.0	27.0	CB6G255-H2D0****	CB6G255-H220****
2.7	37.0	33.0	20.0	32.5	1.0	27.0	CB6G275-H2D0****	CB6G275-H220****
3.0	37.0	37.0	22.0	32.5	1.0	27.0	CB6G305-H2D0****	CB6G305-H220****
3.3	37.0	37.0	22.0	32.5	1.0	27.0	CB6G335-H2D0****	CB6G335-H220****
3.5	37.0	37.0	22.0	32.5	1.0	27.0	CB6G355-H2D0****	CB6G355-H220****
4.0	37.0	38.0	24.0	32.5	1.0	27.0	CB6G405-H2D0****	CB6G405-H220****
4.5	37.0	41.0	26.0	32.5	1.0	27.0	CB6G455-H2D0****	CB6G455-H220****
5.0	37.0	42.0	28.0	32.5	1.0	27.0	CB6G505-H2D0****	CB6G505-H220****
5.5	37.0	45.0	30.0	32.5	1.0	27.0	CB6G555-H2D0****	CB6G555-H220****
6.0	37.0	45.0	30.0	32.5	1.0	27.0	CB6G605-H2D0****	CB6G605-H220****
6.3	37.0	45.0	30.0	32.5	1.0	27.0	CB6G635-H2D0****	CB6G635-H220****
6.5	37.0	45.0	30.0	32.5	1.0	27.0	CB6G655-H2D0****	CB6G655-H220****
7.0	37.0	48.0	33.0	32.5	1.0	27.0	CB6G705-H2D0****	CB6G705-H220****
7.5	37.0	48.0	33.0	32.5	1.0	27.0	CB6G755-H2D0****	CB6G755-H220****

备注:

“-” : 客户要求的容量偏差

“\*\*” : 引出端代码 (见表 1)

“▲” : 当额定电压为 450Vdc 时, 第 9~10 位为 2S

“-”=custom's capacitor tolerance code, J=±5%, K=±10%

“\*\*”= Terminals code (refer to table1)

“▲”=when the rated voltage is 450Vdc, the digit 9~10 is 2S

◆ 产品尺寸: Product Dimension:

450 <sup>▲</sup> /500Vac								
C (μF)	W	H	T	引线式 Tinned Wire		插片式 tabs	产品代码 Part number	
				P	d	P1	引线式 Tinned Wire	软引线或插片式 flexible wire or tabs
2.0	42.0	28.0	16.0	37.5	1.0	32.0	CB6G205-H2E0****	CB6G205-H230****
2.2	42.0	28.0	16.0	37.5	1.0	32.0	CB6G225-H2E0****	CB6G225-H230****
2.5	42.0	30.0	18.0	37.5	1.0	32.0	CB6G255-H2E0****	CB6G255-H230****
2.7	42.0	30.0	18.0	37.5	1.0	32.0	CB6G275-H2E0****	CB6G275-H230****
3.0	42.0	33.5	18.5	37.5	1.0	32.0	CB6G305-H2E0****	CB6G305-H230****
3.3	42.0	34.0	20.0	37.5	1.0	32.0	CB6G335-H2E0****	CB6G335-H230****
3.5	42.0	34.0	20.0	37.5	1.0	32.0	CB6G355-H2E0****	CB6G355-H230****
4.0	42.0	37.0	22.0	37.5	1.0	32.0	CB6G405-H2E0****	CB6G405-H230****
4.5	42.0	38.0	24.0	37.5	1.0	32.0	CB6G455-H2E0****	CB6G455-H230****
5.0	42.0	38.0	24.0	37.5	1.0	32.0	CB6G505-H2E0****	CB6G505-H230****
5.5	42.0	41.0	26.0	37.5	1.0	32.0	CB6G555-H2E0****	CB6G555-H230****
6.0	42.0	41.0	26.0	37.5	1.0	32.0	CB6G605-H2E0****	CB6G605-H230****
6.3	42.0	43.0	28.0	37.5	1.0	32.0	CB6G635-H2E0****	CB6G635-H230****
6.5	42.0	43.0	28.0	37.5	1.0	32.0	CB6G655-H2E0****	CB6G655-H230****
7.0	42.0	43.0	28.0	37.5	1.0	32.0	CB6G705-H2E0****	CB6G705-H230****
7.5	42.0	45.0	30.0	37.5	1.0	32.0	CB6G755-H2E0****	CB6G755-H230****
8.0	42.0	45.0	30.0	37.5	1.0	32.0	CB6G805-H2E0****	CB6G805-H230****
8.5	42.0	46.0	32.0	37.5	1.0	32.0	CB6G855-H2E0****	CB6G855-H230****
9.0	42.0	48.0	33.0	37.5	1.0	32.0	CB6G905-H2E0****	CB6G905-H230****
9.5	42.0	48.0	33.0	37.5	1.0	32.0	CB6G955-H2E0****	CB6G955-H230****
10.0	42.0	50.0	35.0	37.5	1.0	32.0	CB6G106-H2E0****	CB6G106-H230****
2.0	47.0	27.0	15.0	42.5	1.2	37.0	CB6G205-H2F0****	CB6G205-H240****
2.5	47.0	28.0	16.0	42.5	1.2	37.0	CB6G255-H2F0****	CB6G255-H240****
3.0	47.0	30.0	18.0	42.5	1.2	37.0	CB6G305-H2F0****	CB6G305-H240****
3.5	47.0	33.0	18.0	42.5	1.2	37.0	CB6G355-H2F0****	CB6G355-H240****
4.0	47.0	34.0	20.0	42.5	1.2	37.0	CB6G405-H2F0****	CB6G405-H240****
4.5	47.0	34.0	22.0	42.5	1.2	37.0	CB6G455-H2F0****	CB6G455-H240****
5.0	47.0	36.0	24.0	42.5	1.2	37.0	CB6G505-H2F0****	CB6G505-H240****
5.5	47.0	38.0	26.0	42.5	1.2	37.0	CB6G555-H2F0****	CB6G555-H240****
6.0	47.0	38.0	26.0	42.5	1.2	37.0	CB6G605-H2F0****	CB6G605-H240****
6.5	47.0	40.0	28.0	42.5	1.2	37.0	CB6G655-H2F0****	CB6G655-H240****
7.0	47.0	40.0	28.0	42.5	1.2	37.0	CB6G705-H2F0****	CB6G705-H240****
7.5	47.0	44.0	30.0	42.5	1.2	37.0	CB6G755-H2F0****	CB6G755-H240****
8.0	47.0	44.0	30.0	42.5	1.2	37.0	CB6G805-H2F0****	CB6G805-H240****
8.5	47.0	44.0	30.0	42.5	1.2	37.0	CB6G855-H2F0****	CB6G855-H240****
9.0	47.0	46.0	32.0	42.5	1.2	37.0	CB6G905-H2F0****	CB6G905-H240****
9.5	47.0	46.0	32.0	42.5	1.2	37.0	CB6G955-H2F0****	CB6G955-H240****
10.0	47.0	48.0	32.0	42.5	1.2	37.0	CB6G106-H2F0****	CB6G106-H240****

备注:

“-”：客户要求的容量偏差

“\*\*”：引出端代码（见表1）

“▲”：当额定电压为450Vdc时，第9~10位为2S

“-”=custom's capacitor tolerance code, J=±5%, K=±10%

“\*\*”= Terminals code (refer to table1)

“▲”=when the rated voltage is 450Vdc, the digit 9~10 is 2S