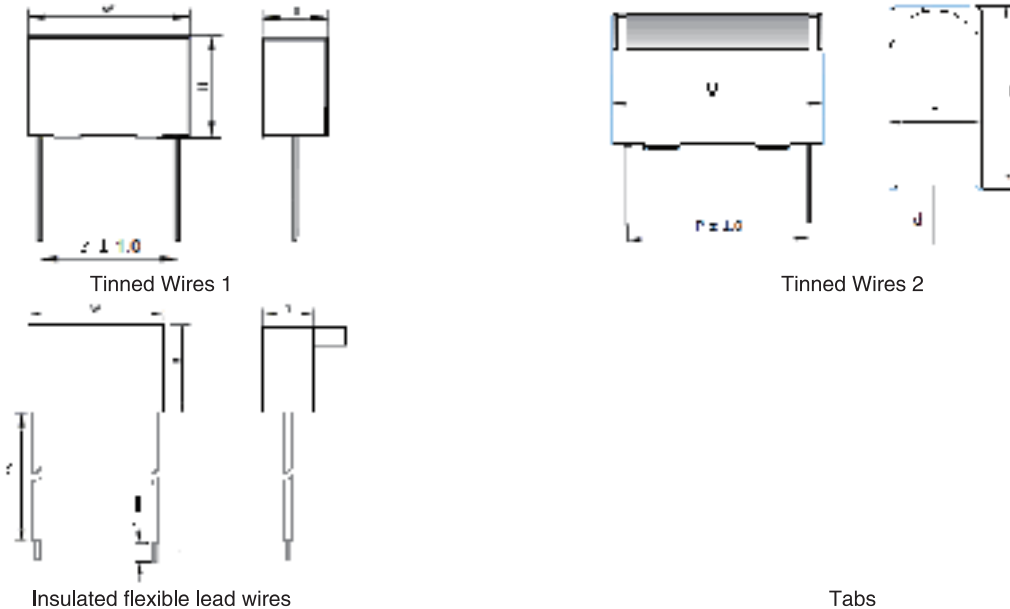




C6G

## 安全等级S3(P2)的金属化聚丙烯膜交流电动机电容器 (塑料外壳) Safety class S3(P2) Metallized polypropylene film AC motor capacitor(Box-type)

### ■ 外形图 Outline Drawing



### ■ 特点

- 适用于频率为50Hz/60Hz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
- 安全膜设计, 达到S3 ( P2 ) 安全防护等级

### ■ Features

- Widely applied to 50Hz/60Hz single phase AC motors for starting or running.
- Self-healing property
- High performance and reliability
- Safety class S3(P2), with segmented film designing.

### ■ 安全认证 Safety Approvals

●		CQC (中国)	GB/T 3667.1-2005 A.C. motor capacitors 0.5 $\mu$ F~10 $\mu$ F 450Vac/500Vac 50/60Hz Class C P2 or 450Vac 50/60Hz Class B P2 40/70/21 or 40/85/21 证书号(Certificate No.): CQC13002103332
●		TUV Rheinland (德国)	EN 60252-1:2011+A1:2013 and IEC 60252-1:2010+A1:2013 A.C. motor capacitors 0.5 $\mu$ F~10 $\mu$ F 450Vac/500Vac 50/60Hz Class C S3 or 450Vac 50/60Hz Class B S3 40/70/21 or 40/85/21 1.0 $\mu$ F~25 $\mu$ F 250Vac 50/60Hz Class B /Class C S3 40/70/21 or 40/85/21 证书号(Certificate No.): R 50266163
●		UL/CUL (美国/加拿大)	UL 810, CSA C22.2.No190, max.500Vac, 50/60Hz, max.85 C, "Protected", 10 000AFC 证书号(File No.): E232771, CNN:CYWT2/8

### ■ 技术要求 Specifications

额定电压 Rated Voltage	500Vac(50/60Hz)	450Vac(50/60Hz)
运行等级 Class of operation	Class C	Class B or Class C
电容量范围 Capacitance Range	0.5 $\mu$ F~10 $\mu$ F	0.5 $\mu$ F~10 $\mu$ F
安全防护等级 Class of safety protection	S3 ( P2 )	
气候类别 Climatic Category	40/85/21	
电容量偏差 Capacitance Tolerance	$\pm$ 5%, $\pm$ 10%, $\pm$ 15%	
耐电压 Voltage Proof	引线之间 Between Terminals	1000Vac(2s)      900Vac(2s)
	极壳之间 Between Terminals And Case	3 000Vac(60s)
最高运行电压 Maximum permissible voltage	1.1U <sub>N</sub>	
最高运行电流 Maximum permissible current	1.3I <sub>N</sub>	
绝缘电阻 Insulation Resistance(IR $\times$ C <sub>N</sub> )	$\geq$ 3 000s(20 $^{\circ}$ C ,100V,1min)	
损耗角正切 Dissipation Factor	$\leq$ 0.0020 (1kHz, 20 $^{\circ}$ C )	

## 八、产品编码说明 Part number system

### ■ 18位产品代码如下：

The 18 digits part number is formed as follow:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
C	6	G															

第1~3位	型号代码 C6G	Digit 1 to 3	Series code C6G
第4~5位	交流额定电压 H2=500V S2=450V	Digit 4 to 5	AC rated voltage H2=500V S2=450V
第6~8位	标称容量 举例：105=10×10 <sup>5</sup> pF=1.0μF	Digit 6 to 8	Rated capacitance value For example: 105=10×10 <sup>5</sup> pF=1.0μF
第9位	容量偏差 J=±5%,K=±10%	Digit 9	Capacitance tolerance J=±5%,K=±10%
第10位	引线脚距(引线式) D=27.5mm F=32.5mm 外形尺寸的盒子W (插片式/绝缘软引线式) 2=37mm 4=47mm	Digit 10	Pitch (for tinned wire) D=27.5mm F=32.5mm W of the Dimension (for tabs and insulated flexible lead wires) 2=37mm 4=47mm
第11位	内部特征码	Digit 11	Internal use
第12~15位	引出端代码	Digit 12 to 15	Terminals code
第16~18位	内部特征码	Digit 16 to 18	Internal use

### ■ Table 1 引出端代码 Terminals code

第 12 位 Digit 12		第 13 位 Digit 13		第 14 位 Digit 14		第 15 位 Digit 15	
Code	引出端形式 Terminal form	Code	安装形式 Fixed style	Code	引出端长度 Length of lead wire	Code	引出端长度偏差 Length tolerance
L	引线式 (Tinned wires) CP φ1.0mm	0	PCB	0	标准的镀锡引线长度 (最短 5.0mm) 或标准的绝缘软引线长 (最短 100mm) 或插片式	0	标准长度或插片式 Standard length or tabs
M	引线式 (Tinned wires) CP φ0.8mm	1	下中耳 Mounting ear in the middle of case's top		Standard tinned wire length(5min) or standard insulated flexible wire length (100min) or tabs	1	Length tolerance ±0.5mm
3	AMP187#插片每边 1 个 one AMP187# per side					2	Length tolerance ±0.4mm
4	AMP187#插片每边 2 个 Two AMP187# per side			9	引线长度 3.9mm Lead length 3.9mm	3	Length tolerance ±0.3mm
7	AMP250#插片每边 1 个 One AMP250# per side			8	8 inch		
8	AMP250#插片每边 2 个 Two AMP250# per side						
B	UL1015 绝缘线剥线式 UL1015 Insulated lead wire						



C6G

■ 外形尺寸 Dimensions ( mm )

引线式 Tinned lead wire

500Vac(Class C) /450Vac(Class B /Class C) <sup>#</sup>					
C <sub>N</sub> (μF)	W ± 1	H ± 1	T ± 1	P ± 2	Part number
0.5	32.0	20.0	11.0	27.5	C6GH2504-B0*0**+++
1.0	32.0	23.0	13.0	27.5	C6GH2105-B0*0**+++
1.2	32.0	24.0	14.0	27.5	C6GH2125-B0*0**+++
1.4	32.0	25.0	15.0	27.5	C6GH2145-B0*0**+++
1.5	32.0	26.0	16.0	27.5	C6GH2155-B0*0**+++
1.6	32.0	26.0	16.0	27.5	C6GH2165-B0*0**+++
1.8	32.0	27.0	17.0	27.5	C6GH2185-B0*0**+++
2.0	32.0	28.0	18.0	27.5	C6GH2205-B0*0**+++
2.2	32.0	29.0	19.0	27.5	C6GH2225-B0*0**+++
2.5	32.0	30.0	20.0	27.5	C6GH2255-B0*0**+++
2.8	32.0	31.0	21.0	27.5	C6GH2285-B0*0**+++
3.0	32.0	32.0	22.0	27.5	C6GH2305-B0*0**+++
3.5	32.0	34.0	24.0	27.5	C6GH2355-B0*0**+++
4.0	32.0	35.0	25.0	27.5	C6GH2405-B0*0**+++
1.0	36.0	23.0	13.0	32.5	C6GH2105-D0*0**+++
1.2	36.0	23.5	13.5	32.5	C6GH2125-D0*0**+++
1.4	36.0	24.5	14.0	32.5	C6GH2145-D0*0**+++
1.5	36.0	25.0	15.0	32.5	C6GH2155-D0*0**+++
1.6	36.0	25.0	15.0	32.5	C6GH2165-D0*0**+++

500Vac(Class C) /450Vac(Class B /Class C) <sup>#</sup>					
C <sub>N</sub> (μF)	W ± 1	H ± 1	T ± 1	P ± 2	Part number
1.8	36.0	26.0	16.0	32.5	C6GH2185-D0*0**+++
2.0	36.0	27.0	17.0	32.5	C6GH2205-D0*0**+++
2.2	36.0	29.0	17.0	32.5	C6GH2225-D0*0**+++
2.5	36.0	30.5	18.8	32.5	C6GH2255-D0*0**+++
2.8	36.0	30.5	18.8	32.5	C6GH2285-D0*0**+++
3.0	36.0	30.0	20.0	32.5	C6GH2305-D0*0**+++
3.5	36.0	33.0	21.0	32.5	C6GH2355-D0*0**+++
4.0	36.0	34.0	22.0	32.5	C6GH2405-D0*0**+++
4.5	36.0	36.0	24.0	32.5	C6GH2455-D0*0**+++
5.0	36.0	37.0	25.0	32.5	C6GH2505-D0*0**+++
5.5	36.0	38.0	26.0	32.5	C6GH2555-D0*0**+++
6.0	36.0	39.0	27.0	32.5	C6GH2605-D0*0**+++
6.3	36.0	40.0	28.0	32.5	C6GH2635-D0*0**+++
6.5	36.0	40.0	28.0	32.5	C6GH2655-D0*0**+++
7.0	36.0	42.0	28.0	32.5	C6GH2705-D0*0**+++
7.5	36.0	42.0	30.0	32.5	C6GH2755-D0*0**+++
8.0	36.0	44.0	30.0	32.5	C6GH2805-D0*0**+++
8.5	36.0	44.0	32.0	32.5	C6GH2855-D0*0**+++

- 备注: 1. “-”表示容量偏差。 “-” =capacitance tolerance code K= ± 10%, J= ± 5%  
 2. “\*0\*\*”表示引出端代码(见table 1)。“\*0\*\*” =terminal form code (refer to table 1)  
 3. “#”当额定电压为450Vac时,第4~5位是S2。当运行等级为Class B时,第11位为B。  
 “#” When the rated voltage is 450Vac, the digit 4~5 is S2. When the class of operation is Class B, the digit 11 is B.

## ■ 外形尺寸 Dimensions ( mm )

插片式或绝缘软引出线式 Tabs or Insulated flexible lead wires

500Vac(Class C) /450Vac(Class B /Class C) <sup>#</sup>						500Vac(Class C) /450Vac(Class B /Class C) <sup>#</sup>					
C <sub>N</sub> (μF)	W ± 1	H ± 1	T ± 1	P ± 2	Part number	C <sub>N</sub> (μF)	W ± 1	H ± 1	T ± 1	P ± 2	Part number
1.0	37.0	22.0	13.0	25.0	C6GH2105-20**00+++	7.0	37.0	42.0	28.0	25.0	C6GH2705-20**00+++
1.2	37.0	24.0	14.0	25.0	C6GH2125-20**00+++	8.0	37.0	44.0	30.0	25.0	C6GH2805-20**00+++
1.4	37.0	25.0	15.0	25.0	C6GH2145-20**00+++	2.5	47.0	28.0	16.0	35.0	C6GH2255-40**00+++
1.5	37.0	26.0	15.0	25.0	C6GH2155-20**00+++	3.0	47.0	29.0	17.0	35.0	C6GH2305-40**00+++
1.6	37.0	26.0	15.0	25.0	C6GH2165-20**00+++	3.5	47.0	30.0	18.0	35.0	C6GH2355-40**00+++
1.8	37.0	26.0	18.0	25.0	C6GH2185-20**00+++	4.0	47.0	31.0	19.0	35.0	C6GH2405-40**00+++
2.0	37.0	26.0	18.0	25.0	C6GH2205-20**00+++	4.5	47.0	32.0	20.0	35.0	C6GH2455-40**00+++
2.2	37.0	28.0	18.0	25.0	C6GH2225-20**00+++	5.0	47.0	33.0	21.0	35.0	C6GH2505-40**00+++
2.5	37.0	30.0	18.0	25.0	C6GH2255-20**00+++	5.5	47.0	34.0	22.0	35.0	C6GH2555-40**00+++
2.8	37.0	30.0	20.0	25.0	C6GH2285-20**00+++	6.0	47.0	34.0	24.0	35.0	C6GH2605-40**00+++
3.0	37.0	30.0	20.0	25.0	C6GH2305-20**00+++	6.5	47.0	36.0	24.0	35.0	C6GH2655-40**00+++
3.5	37.0	33.0	21.0	25.0	C6GH2355-20**00+++	7.0	47.0	37.0	25.0	35.0	C6GH2705-40**00+++
4.0	37.0	34.0	22.0	25.0	C6GH2405-20**00+++	7.5	47.0	38.0	26.0	35.0	C6GH2755-40**00+++
4.5	37.0	36.0	24.0	25.0	C6GH2455-20**00+++	8.0	47.0	38.0	28.0	35.0	C6GH2805-40**00+++
5.0	37.0	37.0	25.0	25.0	C6GH2505-20**00+++	8.5	47.0	40.0	28.0	35.0	C6GH2855-40**00+++
5.5	37.0	38.0	26.0	25.0	C6GH2555-20**00+++	9.0	47.0	40.0	30.0	35.0	C6GH2905-40**00+++
6.0	37.0	39.0	27.0	25.0	C6GH2605-20**00+++	9.5	47.0	40.0	30.0	35.0	C6GH2955-40**00+++
6.3	37.0	40.0	28.0	25.0	C6GH2635-20**00+++	10.0	47.0	42.0	30.0	35.0	C6GH2106-40**00+++
6.5	37.0	40.0	28.0	25.0	C6GH2655-20**00+++						

- 备注: 1. “-”表示容量偏差。“-”=capacitance tolerance code K= ± 10%, J= ± 5%
2. “\*\*00”表示引出端代码(见table 1)。“\*\*00”=terminal form code (refer to table 1)
3. 当W=37mm时,绝缘软引线的线径为AWG20;当W=47mm时,绝缘软引线的线径为AWG18。  
When W=37mm, insulated flexible lead gauge =AWG20; When W=47mm, insulated flexible lead gauge =AWG18.
4. “#”当额定电压为450Vac时,第4~5位是S2。当运行等级为Class B时,第11位为B。  
“#” When the rated voltage is 450Vac, the digit 4~5 is S2. When the class of operation is Class B, the digit 11 is B.