



# 規格承認書

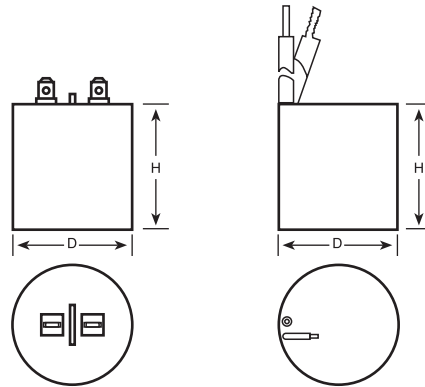
## (SPECIFICATION FOR APPROVAL)

File No.: Q/BH .TS16949.13TECH1303

Product Name: Metallized polypropylene film capacitor for lamps (Temperature 100°C)  
Product Type: C64(CBB60M ,100°C灯具电容器)  
Product Code: C64  
Customer:  
Customer Code:  
Issue Date: (V3.0)

## 金属化聚丙烯膜灯具电容器(温度100℃) Metallized polypropylene film capacitor for lamps(temperature 100℃)

### ■ 外形图 Outline Drawing




### ■ 特点

广泛用于荧光灯、高压汞灯、钠灯、金属卤素灯等以频率为50Hz/60Hz的交流电源供电的照明灯具中的变压器、电子镇流器的功率因数补偿,使灯具的功率因数 $\cos\phi \geq 0.9$ ,并且可以允许电容器表面温度达到100℃

### ■ Features

The capacitors are designed for lighting applications such as fluorescent lamps, high-pressure mercury vapour lamps, sodium lamps, and metal halide lamps. The capacitors are used for power factor compensation of transformers and magnetic ballasts in lamps with a frequency of 50 or 60Hz, which makes the power factor to achieve  $\cos\phi \geq 0.9$ . The temperature on capacitor surface is admitted to reach 100℃.

### ■ 安全认证 Safety Approvals

●	 US	UL/CUL (美国/加拿大)	UL810, CSA C22.2 No.190 (construction only), max. 400 Vac, 50/60Hz, 5μF ~ 75μF 证书号(File No.): E256238, CCN:CZDS2
---	--	--------------------	---

### ■ 技术要求 Specifications

引用标准 Reference Standard	GB 18489-2008(IDT. IEC 61048-2006) GB/T 18504-2001(IDT. IEC 61049-1991) UL810 CSAC22.2 NO.190
额定电压 Rated Voltage ( $U_n$ )	240Vac, 280Vac, 330Vac, 350Vac, 400Vac
额定频率 Rated Frequency ( $f_n$ )	50/60Hz
容量范围 Capacitance Range ( $C_n$ )	5.0μF ~ 75.0μF
容量等级 Capacitance Tolerance	± 3%, ± 5%, ± 10%
额定最高温度(电容器表面温度, $t_c$ ) Rated Max. Temperature (on capacitor surface, $t_c$ )	100℃
气候类别 Climatic Category	40/100/10
外壳类型 Case	Plastic
凝露 Condensation	Not permitted
耐电压(引线之间) Test Voltage Between Terminals	2 $U_n$ , 2s
耐电压(极壳之间) Test Voltage Between Terminal to Case	3 000Vac, 2s (max. leakage current: 0.5mA)
最大工作电压 Max. Operating Voltage	1.1 $U_n$
额定电流 Rated Current ( $I_n$ )	$2 \pi f U_n C_n \times 10^{-6}$ (A) (Unit of $C_n$ : μF)
最大工作电流 Max Operating Current	1.3 $I_n$
外壳防护等级 Degree of protection	IP00
电极端子 Terminals	Push in connector or Insulated wires
最高使用海拔 Max Altitude	2 000m



**C64**  
CBB60M series

**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	4															

第1~3位	型号代码 C64=CBB60M	Digit 1 to 3	Series code C64=CBB60M
第4~5位	交流额定电压 P1=240V P3=280V R1=330V R2=350V G2=400V	Digit 4 to 5	AC rated voltage P1=240V P3=280V R1=330V R2=350V G2=400V
第6~8位	标称容量 举例: 505=50 × 10 <sup>5</sup> pF=5.0μF	Digit 6 to 8	Rated capacitance value For example: 505=50 × 10 <sup>5</sup> pF=5.0μF
第9位	容量偏差 H= ± 3%, J= ± 5%, K= ± 10%	Digit 9	Capacitance tolerance H= ± 3%, J= ± 5%, K= ± 10%
第10位	产品外形尺寸代码	Digit 10	Dimension code

CBB60M Dimension code					
D	H	Code	D	H	Code
30	55	1	45	95	7
30	75	2	45	120	8
35	75	3	50	120	9
35	95	4	50	130	A
40	75	5	50	95	B
40	95	6	40	70	C

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	是否有放电电阻 With or without discharge resistor
7	AMP250#插片每边1个 One AMP250# per side	8	中部卡圈 Ring-clip in the middle of case	0	标准长度(插片式) standard length	R	有电阻 With resistor
C	UL3289绝缘线剥线式 UL3289 insulated lead wire			8	8英寸 8 inch (1 inch=25.4mm)	0	无电阻 Without resistor
D	UL3321绝缘线剥线式 UL3321 insulated lead wire						



C64  
CBB60M series

Guang Zhou Nan Cai Electronic CO.,LTD.  
http://www.cgznc.com

■ 外形尺寸 Dimensions(mm)

240Vac					280Vac					330Vac				
C <sub>n</sub> (μF)	D±2.0	H±3.0	Discharge resistor	Part number	C <sub>n</sub> (μF)	D±2.0	H±3.0	Discharge resistor	Part number	C <sub>n</sub> (μF)	D±2.0	H±3.0	Discharge resistor	Part number
5.0	30	55	0.5W,0.82MΩ	C64P1505-10****++	5.0	30	55	0.5W,0.82MΩ	C64P3505-10****++	5.0	30	55	0.5W,0.82MΩ	C64R1505-10****++
6.0	30	55	0.5W,0.82MΩ	C64P1605-10****++	6.0	30	55	0.5W,0.82MΩ	C64P3605-10****++	6.0	30	75	0.5W,0.82MΩ	C64R1605-20****++
7.0	30	55	0.5W,0.82MΩ	C64P1705-10****++	7.0	30	75	0.5W,0.82MΩ	C64P3705-20****++	7.0	30	75	0.5W,0.82MΩ	C64R1705-20****++
8.0	30	55	0.5W,0.82MΩ	C64P1805-10****++	8.0	30	75	0.5W,0.82MΩ	C64P3805-20****++	8.0	30	75	0.5W,0.82MΩ	C64R1805-20****++
8.4	30	55	0.5W,0.82MΩ	C64P1845-10****++	8.4	30	75	0.5W,0.82MΩ	C64P3845-20****++	8.4	30	75	0.5W,0.82MΩ	C64R1845-20****++
10.0	30	75	0.5W,0.82MΩ	C64P1106-20****++	10.0	30	75	0.5W,0.82MΩ	C64P3106-20****++	10.0	35	75	0.5W,0.82MΩ	C64R1106-30****++
11.0	30	75	0.5W,0.82MΩ	C64P1116-20****++	11.0	35	75	0.5W,0.82MΩ	C64P3116-30****++	11.0	35	75	0.5W,0.82MΩ	C64R1116-30****++
12.0	30	75	0.5W,0.82MΩ	C64P1126-20****++	12.0	35	75	0.5W,0.82MΩ	C64P3126-30****++	12.0	35	75	0.5W,0.82MΩ	C64R1126-30****++
13.0	30	75	0.5W,0.82MΩ	C64P1136-20****++	13.0	35	75	0.5W,0.82MΩ	C64P3136-30****++	13.0	35	75	0.5W,0.82MΩ	C64R1136-30****++
14.0	30	75	0.5W,0.82MΩ	C64P1146-20****++	14.0	35	75	0.5W,0.82MΩ	C64P3146-30****++	14.0	40	75	0.5W,0.82MΩ	C64R1146-50****++
15.0	35	75	0.5W,0.82MΩ	C64P1156-30****++	15.0	40	75	0.5W,0.82MΩ	C64P3156-50****++	15.0	40	75	0.5W,0.82MΩ	C64R1156-50****++
16.0	35	75	0.5W,0.82MΩ	C64P1166-30****++	16.0	40	75	0.5W,0.82MΩ	C64P3166-50****++	16.0	40	75	0.5W,0.82MΩ	C64R1166-50****++
17.0	35	75	0.5W,0.82MΩ	C64P1176-30****++	17.0	40	75	0.5W,0.82MΩ	C64P3176-50****++	17.0	40	75	0.5W,0.82MΩ	C64R1176-50****++
17.5	35	75	0.5W,0.82MΩ	C64P117E-30****++	17.5	40	75	0.5W,0.82MΩ	C64P317E-50****++	17.5	35	95	0.5W,0.82MΩ	C64R117E-40****++
18.0	35	75	0.5W,0.82MΩ	C64P1186-30****++	18.0	40	75	0.5W,0.82MΩ	C64P3186-50****++	18.0	35	95	0.5W,0.82MΩ	C64R1186-40****++
18.5	35	75	0.5W,0.82MΩ	C64P118E-30****++	18.5	40	75	0.5W,0.82MΩ	C64P318E-50****++	18.5	35	95	0.5W,0.82MΩ	C64R118E-40****++
20.0	35	75	0.5W,0.82MΩ	C64P1206-30****++	20.0	35	95	0.5W,0.82MΩ	C64P3206-40****++	20.0	35	95	0.5W,0.82MΩ	C64R1206-40****++
20.5	35	75	0.5W,0.82MΩ	C64P120E-30****++	20.5	35	95	0.5W,0.82MΩ	C64P320E-40****++	20.5	40	95	0.5W,0.82MΩ	C64R120E-60****++
21.0	35	75	0.5W,0.82MΩ	C64P1216-30****++	21.0	35	95	0.5W,0.82MΩ	C64P3216-40****++	21.0	40	95	0.5W,0.82MΩ	C64R1216-60****++
22.0	35	75	0.5W,0.82MΩ	C64P1226-30****++	22.0	35	95	0.5W,0.82MΩ	C64P3226-40****++	22.0	40	95	0.5W,0.82MΩ	C64R1226-60****++
22.5	40	75	0.5W,0.82MΩ	C64P122E-50****++	22.5	35	95	0.5W,0.82MΩ	C64P322E-60****++	22.5	40	95	0.5W,0.82MΩ	C64R122E-60****++
24.0	40	75	0.5W,0.82MΩ	C64P1246-50****++	24.0	40	95	0.5W,0.82MΩ	C64P3246-60****++	24.0	40	95	0.5W,0.82MΩ	C64R1246-60****++
24.5	40	75	0.5W,0.82MΩ	C64P124E-50****++	24.5	40	95	0.5W,0.82MΩ	C64P324E-60****++	24.5	40	95	0.5W,0.82MΩ	C64R124E-60****++
25.0	40	75	0.5W,0.82MΩ	C64P1256-50****++	25.0	40	95	0.5W,0.82MΩ	C64P3256-60****++	25.0	40	95	0.5W,0.82MΩ	C64R1256-60****++
25.5	40	75	0.5W,0.82MΩ	C64P125E-50****++	25.5	40	95	0.5W,0.82MΩ	C64P325E-60****++	25.5	40	95	0.5W,0.82MΩ	C64R125E-60****++
26.0	40	75	0.5W,0.82MΩ	C64P1266-50****++	26.0	40	95	0.5W,0.82MΩ	C64P3266-60****++	26.0	40	95	0.5W,0.82MΩ	C64R1266-60****++
26.5	40	75	0.5W,0.82MΩ	C64P126E-50****++	26.5	40	95	0.5W,0.82MΩ	C64P326E-60****++	26.5	40	95	0.5W,0.82MΩ	C64R126E-60****++
28.0	40	75	0.5W,0.82MΩ	C64P1286-50****++	28.0	40	95	0.5W,0.82MΩ	C64P3286-60****++	28.0	40	95	0.5W,0.82MΩ	C64R1286-60****++
30.0	35	95	0.5W,0.47MΩ	C64P1306-40****++	30.0	40	95	0.5W,0.47MΩ	C64P3306-60****++	30.0	45	95	0.5W,0.47MΩ	C64R1306-70****++
32.0	35	95	0.5W,0.47MΩ	C64P1326-40****++	32.0	40	95	0.5W,0.47MΩ	C64P3326-60****++	32.0	45	95	0.5W,0.47MΩ	C64R1326-70****++
34.0	35	95	0.5W,0.47MΩ	C64P1346-60****++	34.0	40	95	0.5W,0.47MΩ	C64P3346-60****++	34.0	45	95	0.5W,0.47MΩ	C64R1346-70****++
35.0	40	95	0.5W,0.47MΩ	C64P1356-60****++	35.0	45	95	0.5W,0.47MΩ	C64P3356-70****++	35.0	45	95	0.5W,0.47MΩ	C64R1356-70****++
36.0	40	95	0.5W,0.47MΩ	C64P1366-60****++	36.0	45	95	0.5W,0.47MΩ	C64P3366-70****++	36.0	45	95	0.5W,0.47MΩ	C64R1366-70****++
40.0	40	95	0.5W,0.47MΩ	C64P1406-60****++	40.0	45	95	0.5W,0.47MΩ	C64P3406-70****++	40.0	45	120	0.5W,0.47MΩ	C64R1406-80****++
45.0	40	95	0.5W,0.47MΩ	C64P1456-60****++	45.0	45	95	0.5W,0.47MΩ	C64P3456-80****++	45.0	45	120	0.5W,0.47MΩ	C64R1456-80****++
48.0	40	95	0.5W,0.47MΩ	C64P1486-70****++	48.0	45	120	0.5W,0.47MΩ	C64P3486-80****++	48.0	45	120	0.5W,0.47MΩ	C64R1486-80****++
50.0	45	95	0.5W,0.47MΩ	C64P1506-70****++	50.0	45	120	0.5W,0.47MΩ	C64P3506-80****++	50.0	45	120	0.5W,0.47MΩ	C64R1506-80****++
52.0	45	95	0.5W,0.33MΩ	C64P1526-70****++	52.0	45	120	0.5W,0.33MΩ	C64P3526-80****++	52.0	50	120	0.5W,0.33MΩ	C64R1526-80****++
55.0	45	95	0.5W,0.33MΩ	C64P1556-70****++	55.0	45	120	0.5W,0.33MΩ	C64P3556-80****++	55.0	50	120	0.5W,0.33MΩ	C64R1556-90****++
56.0	45	95	0.5W,0.33MΩ	C64P1566-70****++	56.0	45	120	0.5W,0.33MΩ	C64P3566-80****++	56.0	50	120	0.5W,0.33MΩ	C64R1566-90****++
60.0	45	95	0.5W,0.33MΩ	C64P1606-70****++	60.0	45	120	0.5W,0.33MΩ	C64P3606-80****++	60.0	50	120	0.5W,0.33MΩ	C64R1606-90****++
62.0	45	95	0.5W,0.33MΩ	C64P1626-70****++	62.0	50	120	0.5W,0.33MΩ	C64P3626-90****++	62.0	50	120	0.5W,0.33MΩ	C64R1626-90****++
64.0	45	95	0.5W,0.33MΩ	C64P1646-80****++	64.0	50	120	0.5W,0.33MΩ	C64P3646-90****++	64.0	50	120	0.5W,0.33MΩ	C64R1646-90****++
65.0	45	95	0.5W,0.33MΩ	C64P1656-80****++	65.0	50	120	0.5W,0.33MΩ	C64P3656-90****++	65.0	50	120	0.5W,0.33MΩ	C64R1656-90****++
70.0	45	120	0.5W,0.33MΩ	C64P1706-80****++	70.0	50	120	0.5W,0.33MΩ	C64P3706-90****++	70.0	50	130	0.5W,0.33MΩ	C64R1706-A0****++
75.0	45	120	0.5W,0.33MΩ	C64P1756-80****++	75.0	50	120	0.5W,0.33MΩ	C64P3756-90****++	72.0	50	130	0.5W,0.33MΩ	C64R1756-A0****++

备注: 1. “-”表示容量偏差。“-”=capacitance tolerance code, K=±10%, J=±5%, H=±3%  
 2. “\*\*\*\*”表示引出端代码(见table 1)。“\*\*\*\*\*”=terminals code(refer to table 1)  
 3. 其它容量、尺寸系列可按用户需要商定。Other values and dimensions are available on request.



**C64**  
CBB60M series

■ 外形尺寸 Dimensions(mm)

350Vac					400Vac				
C <sub>n</sub> (μF)	D±2.0	H±3.0	Discharge resistor	Part number	C <sub>n</sub> (μF)	D±2.0	H±3.0	Discharge resistor	Part number
5.0	30	75	0.5W,0.82MΩ	C64R2505-20****+++	5.0	30	75	0.5W,0.82MΩ	C64G2505-20****+++
6.0	30	75	0.5W,0.82MΩ	C64R2605-20****+++	6.0	30	75	0.5W,0.82MΩ	C64G2605-20****+++
7.0	30	75	0.5W,0.82MΩ	C64R2705-20****+++	7.0	35	75	0.5W,0.82MΩ	C64G2705-30****+++
8.0	35	75	0.5W,0.82MΩ	C64R2805-30****+++	8.0	35	75	0.5W,0.82MΩ	C64G2805-30****+++
8.4	35	75	0.5W,0.82MΩ	C64R2845-30****+++	8.4	35	75	0.5W,0.82MΩ	C64G2845-30****+++
10.0	35	75	0.5W,0.82MΩ	C64R2106-30****+++	10.0	40	75	0.5W,0.82MΩ	C64G2106-50****+++
11.0	35	75	0.5W,0.82MΩ	C64R2116-30****+++	11.0	40	75	0.5W,0.82MΩ	C64G2116-50****+++
12.0	35	75	0.5W,0.82MΩ	C64R2126-30****+++	12.0	35	95	0.5W,0.82MΩ	C64G2126-40****+++
13.0	40	75	0.5W,0.82MΩ	C64R2136-50****+++	13.0	35	95	0.5W,0.82MΩ	C64G2136-40****+++
14.0	40	75	0.5W,0.82MΩ	C64R2146-50****+++	14.0	35	95	0.5W,0.82MΩ	C64G2146-40****+++
15.0	40	75	0.5W,0.82MΩ	C64R2156-50****+++	15.0	40	95	0.5W,0.82MΩ	C64G2156-60****+++
16.0	35	95	0.5W,0.82MΩ	C64R2166-40****+++	16.0	40	95	0.5W,0.82MΩ	C64G2166-60****+++
17.0	35	95	0.5W,0.82MΩ	C64R2176-40****+++	17.0	40	95	0.5W,0.82MΩ	C64G2176-60****+++
17.5	40	95	0.5W,0.82MΩ	C64R217E-60****+++	17.5	40	95	0.5W,0.82MΩ	C64G217E-60****+++
18.0	40	95	0.5W,0.82MΩ	C64R2186-60****+++	18.0	40	95	0.5W,0.82MΩ	C64G2186-60****+++
18.5	40	95	0.5W,0.82MΩ	C64R218E-60****+++	18.5	40	95	0.5W,0.82MΩ	C64G218E-60****+++
20.0	40	95	0.5W,0.82MΩ	C64R2206-60****+++	20.0	40	95	0.5W,0.82MΩ	C64G2206-60****+++
20.5	40	95	0.5W,0.82MΩ	C64R220E-60****+++	20.5	45	95	0.5W,0.82MΩ	C64G220E-70****+++
21.0	40	95	0.5W,0.82MΩ	C64R2216-60****+++	21.0	45	95	0.5W,0.82MΩ	C64G2216-70****+++
22.0	40	95	0.5W,0.82MΩ	C64R2226-60****+++	22.0	45	95	0.5W,0.82MΩ	C64G2226-70****+++
22.5	40	95	0.5W,0.82MΩ	C64R222E-60****+++	22.5	45	95	0.5W,0.82MΩ	C64G222E-70****+++
24.0	40	95	0.5W,0.82MΩ	C64R2246-60****+++	24.0	45	95	0.5W,0.82MΩ	C64G2246-70****+++
24.5	45	95	0.5W,0.82MΩ	C64R224E-70****+++	24.5	45	95	0.5W,0.82MΩ	C64G224E-80****+++
25.0	45	95	0.5W,0.82MΩ	C64R2256-70****+++	25.0	45	95	0.5W,0.82MΩ	C64G2256-80****+++
25.5	45	95	0.5W,0.82MΩ	C64R225E-70****+++	25.5	45	95	0.5W,0.82MΩ	C64G225E-80****+++
26.0	45	95	0.5W,0.82MΩ	C64R2266-70****+++	26.0	45	95	0.5W,0.82MΩ	C64G2266-80****+++
26.5	45	95	0.5W,0.82MΩ	C64R226E-70****+++	26.5	45	95	0.5W,0.82MΩ	C64G226E-80****+++
28.0	45	95	0.5W,0.82MΩ	C64R2286-70****+++	28.0	45	120	0.5W,0.82MΩ	C64G2286-80****+++
30.0	45	95	0.5W,0.47MΩ	C64R2306-70****+++	30.0	45	120	0.5W,0.47MΩ	C64G2306-80****+++
32.0	45	120	0.5W,0.47MΩ	C64R2326-80****+++	32.0	45	120	0.5W,0.47MΩ	C64G2326-80****+++
34.0	45	120	0.5W,0.47MΩ	C64R2346-80****+++	34.0	45	120	0.5W,0.47MΩ	C64G2346-80****+++
35.0	45	120	0.5W,0.47MΩ	C64R2356-80****+++	35.0	45	120	0.5W,0.47MΩ	C64G2356-80****+++
36.0	45	120	0.5W,0.47MΩ	C64R2366-80****+++	36.0	45	120	0.5W,0.47MΩ	C64G2366-80****+++
40.0	45	120	0.5W,0.47MΩ	C64R2406-80****+++	40.0	50	120	0.5W,0.47MΩ	C64G2406-90****+++
45.0	50	120	0.5W,0.47MΩ	C64R2456-90****+++	45.0	50	120	0.5W,0.47MΩ	C64G2456-90****+++
48.0	50	120	0.5W,0.47MΩ	C64R2486-90****+++	48.0	50	120	0.5W,0.47MΩ	C64G2486-90****+++
50.0	50	120	0.5W,0.47MΩ	C64R2506-90****+++	50.0	50	130	0.5W,0.47MΩ	C64G2506-A0****+++
52.0	50	120	0.5W,0.33MΩ	C64R2526-90****+++					
55.0	50	120	0.5W,0.33MΩ	C64R2556-90****+++					

备注: 1. “-”表示容量偏差。“-”=capacitance tolerance code, K=±10%, J=±5%, H=±3%  
 2. “\*\*\*\*”表示引出端代码(见table 1)。“\*\*\*\*”=terminals code(refer to table 1)  
 3. 其它容量、尺寸系列可按用户需要商定。Other values and dimensions are available on request.