



# 規格承認書

## (SPECIFICATION FOR APPROVAL)

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

Product Name: Metallized polypropylene film capacitor for lamps  
( Round shape, Anti-explosion )

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Product Type: C6B(圓形, 防爆灯具电容器)

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Product Code: C6B

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Customer: \_\_\_\_\_

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Customer Code: \_\_\_\_\_

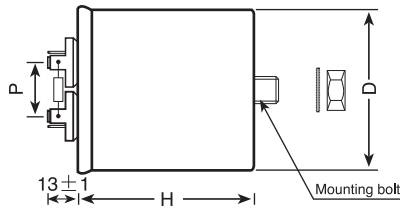
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Issue Date: (V3.0)

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## 金属化聚丙烯膜灯具电容器(圆形, 防爆) Metallized polypropylene film capacitor for lamps(Round shape, Anti-explosion)

### ■ 外形图 Outline Drawing



### ■ 特点

与镇流器配套, 主要用于HID灯具如高压汞灯、钠灯、金属卤素灯等。



电容器的表面温度可达90℃(根据需要选择100℃)。

电容器内部采用机械防爆结构, 安全可靠。

### ■ Features

The capacitors are designed specifically for HID Lighting applications where the capacitors are used as part of the ballast circuit for high-pressure mercury vapor lamps, sodium vapor lamps, and metal halide lamps. The temperature on capacitor surface is admitted to reach 90°C. (options 100°C on request). The capacitor is of internal mechanical explosion-proof structure, safe and reliable.

### ■ 安全认证 Safety Approvals

●		CQC (中国)	GB 18489-2008, type B, 4.0μF ~ 50μF, 540Vac, 50/60Hz, -40°C/90°C 证书号(Certificate No.): CQC110040665
●		UL/CUL (美国/加拿大)	UL810, CSA C22.2 NO.190, max.540Vac, 50/60Hz, "Protected", 10 000AFC 证书号(File No.): E232771, CCN: CYWT2

### ■ 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 <sub>n</sub> )	280Vac, 330Vac, 400Vac, 480Vac, 540Vac, 600Vac		
额定频率 Rated Frequency (f <sub>n</sub> )	50/60Hz		
容量范围 Capacitance Range (C <sub>n</sub> )	4.0μF ~ 100.0μF		
容量等级 Capacitance Tolerance	± 3%, ± 5%, ± 10%		
额定最高温度(电容器表面温度, t <sub>c</sub> ) Rated Max. Temperature (on capacitor surface, t <sub>c</sub> )	90°C (options 100°C on request)		
气候类别 Climatic Category	40/90/21		
电容器类别 Type	Type B(self-healing capacitor)		
外壳类型 Case	Aluminum		
凝露 Condensation	Not permitted		
耐电压(引线之间) Test Voltage Between Terminals	2U <sub>n</sub> , 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	1.1U <sub>n</sub>		
额定电流 Rated Current (I <sub>n</sub> )	$2 \pi f_n U_n C_n \times 10^{-6}$ (A) (Unit of C <sub>n</sub> : μF)		
最大工作电流 Max. Operating Current	1.3I <sub>n</sub>		
外壳防护等级 Degree of protection	IP00		
电极端子 Terminals	Push in connector or Insulated wires		
底部固定螺栓 Bottom Mounting bolts	M8 × 10(D ≤ 50)	M10 × 12(D = 55)	M12 × 16(D ≥ 60)
最大安装扭矩 Max. Torque of Installation	5Nm	8Nm	10Nm
最高使用海拔 Max Altitude	2 000m		



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**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	B															

第1~3位	型号代码 C6B	Digit 1 to 3	Series code C6B
第4~5位	交流额定电压 P3=280V R1=330V G2=400V S3=480V T1=540V U1=600V	Digit 4 to 5	AC rated voltage P3=280V R1=330V G2=400V S3=480V T1=540V U1=600V
第6~8位	标称容量 举例: 505=50 x 10 <sup>5</sup> pF=5.0μF	Digit 6 to 8	Rated capacitance value For example: 505=50 x 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

C6B Dimension code					
D	H	Code	D	H	Code
40	60	1	45	125	7
40	75	2	50	75	8
40	100	3	50	100	9
45	60	4	50	125	A
45	75	5	55	130	B
45	100	6	60	130	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
8	每边2个AMP 250#插片 Two AMP250# per side	5	下部螺栓M8 Bottom-bolt M8	0	标准长度 standard form	R	带电阻 With resistor
		6	下部螺栓M10 Bottom-bolt M10			0	无电阻 Without resistor
9	每边3个AMP 250#插片 Three AMP250# per side	7	下部螺栓M12 Bottom-bolt M12				
		8	中部卡圈 Ring-clip in the middle of case				



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■ 外形尺寸 Dimensions(mm)

280Vac							330Vac						
C <sub>n</sub> (μF)	D ±2.0	H ±3.0	p ±1.0	Mounting bolt	Discharge resistor	Part number	C <sub>n</sub> (μF)	D ±2.0	H ±3.0	p ±1.0	Mounting bolt	Discharge resistor	Part number
4	40	60	16	M8x10	0.5W,0.82MΩ	C6BP3405-10****+++	4	40	60	16	M8x10	0.5W,0.82MΩ	C6BP3405-10****+++
5	40	60	16	M8x10	0.5W,0.82MΩ	C6BP3505-10****+++	5	40	60	16	M8x10	0.5W,0.82MΩ	C6BP3505-10****+++
6	40	60	16	M8x10	0.5W,0.82MΩ	C6BP3605-10****+++	6	40	60	16	M8x10	0.5W,0.82MΩ	C6BP3605-10****+++
7	40	60	16	M8x10	0.5W,0.82MΩ	C6BP3705-10****+++	7	40	60	16	M8x10	0.5W,0.82MΩ	C6BP3705-10****+++
8	40	60	16	M8x10	0.5W,0.82MΩ	C6BP3805-10****+++	8	40	60	16	M8x10	0.5W,0.82MΩ	C6BP3805-10****+++
9	40	60	16	M8x10	0.5W,0.82MΩ	C6BP3905-10****+++	9	40	60	16	M8x10	0.5W,0.82MΩ	C6BP3905-10****+++
10	40	60	16	M8x10	0.5W,0.82MΩ	C6BP3106-10****+++	10	40	60	16	M8x10	0.5W,0.82MΩ	C6BP3106-10****+++
11	40	60	16	M8x10	0.5W,0.82MΩ	C6BP3116-10****+++	11	40	60	16	M8x10	0.5W,0.82MΩ	C6BP3116-10****+++
12	40	60	16	M8x10	0.5W,0.82MΩ	C6BP3126-10****+++	12	40	60	16	M8x10	0.5W,0.82MΩ	C6BP3126-10****+++
13	40	60	16	M8x10	0.5W,0.82MΩ	C6BP3136-10****+++	13	40	60	16	M8x10	0.5W,0.82MΩ	C6BP3136-10****+++
15	40	60	16	M8x10	0.5W,0.82MΩ	C6BP3156-10****+++	15	45	60	18	M8x10	0.5W,0.82MΩ	C6BP3156-10****+++
16	40	60	16	M8x10	0.5W,0.82MΩ	C6BP3166-10****+++	16	45	60	18	M8x10	0.5W,0.82MΩ	C6BP3166-10****+++
18	40	60	16	M8x10	0.5W,0.82MΩ	C6BP3186-10****+++	18	45	60	18	M8x10	0.5W,0.82MΩ	C6BP3186-10****+++
20	40	60	16	M8x10	0.5W,0.82MΩ	C6BP3206-10****+++	20	40	75	16	M8x10	0.5W,0.82MΩ	C6BP3206-10****+++
22	45	60	18	M8x10	0.5W,0.82MΩ	C6BP3226-40****+++	22	45	75	18	M8x10	0.5W,0.82MΩ	C6BP3226-40****+++
24	45	60	18	M8x10	0.5W,0.82MΩ	C6BP3246-40****+++	24	45	75	18	M8x10	0.5W,0.82MΩ	C6BP3246-40****+++
26	45	60	18	M8x10	0.5W,0.82MΩ	C6BP3266-40****+++	26	45	75	18	M8x10	0.5W,0.82MΩ	C6BP3266-40****+++
28	40	75	16	M8x10	0.5W,0.82MΩ	C6BP3286-20****+++	28	45	75	18	M8x10	0.5W,0.82MΩ	C6BP3286-20****+++
29	40	75	16	M8x10	0.5W,0.82MΩ	C6BP3296-20****+++	29	50	75	18	M8x10	0.5W,0.82MΩ	C6BP3296-20****+++
30	40	75	16	M8x10	0.5W,0.82MΩ	C6BP3306-20****+++	30	50	75	18	M8x10	0.5W,0.82MΩ	C6BP3306-20****+++
32	45	75	18	M8x10	0.5W,0.82MΩ	C6BP3326-50****+++	32	50	75	18	M8x10	0.5W,0.47MΩ	C6BP3326-50****+++
35	45	75	18	M8x10	0.5W,0.47MΩ	C6BP3356-50****+++	28	40	100	16	M8x10	0.5W,0.82MΩ	C6BP3356-50****+++
38	45	75	18	M8x10	0.5W,0.47MΩ	C6BP3386-50****+++	29	40	100	16	M8x10	0.5W,0.82MΩ	C6BP3386-50****+++
42	45	75	18	M8x10	0.5W,0.47MΩ	C6BP3426-50****+++	30	40	100	16	M8x10	0.5W,0.82MΩ	C6BP3426-50****+++
46	50	75	18	M8x10	0.5W,0.47MΩ	C6BP3466-80****+++	32	40	100	16	M8x10	0.5W,0.47MΩ	C6BP3466-80****+++
42	40	100	16	M8x10	0.5W,0.47MΩ	C6BP3426-30****+++	35	50	75	18	M8x10	0.5W,0.47MΩ	C6BP3426-30****+++
46	40	100	16	M8x10	0.5W,0.47MΩ	C6BP3466-30****+++	38	45	100	18	M8x10	0.5W,0.47MΩ	C6BP3466-30****+++
51	50	75	18	M8x10	0.5W,0.47MΩ	C6BP3516-80****+++	42	45	100	18	M8x10	0.5W,0.47MΩ	C6BP3516-80****+++
56	45	100	18	M8x10	0.5W,0.47MΩ	C6BP3566-60****+++	46	50	100	18	M8x10	0.5W,0.47MΩ	C6BP3566-60****+++
62	45	100	18	M8x10	1.0W,0.33MΩ	C6BP3626-60****+++	51	50	100	18	M8x10	0.5W,0.47MΩ	C6BP3626-60****+++
68	50	100	18	M8x10	1.0W,0.33MΩ	C6BP3686-90****+++	56	50	100	18	M8x10	1.0W,0.33MΩ	C6BP3686-90****+++
75	50	100	18	M8x10	1.0W,0.33MΩ	C6BP3756-90****+++	62	50	125	18	M8x10	1.0W,0.33MΩ	C6BP3756-90****+++
83	50	100	18	M8x10	1.0W,0.33MΩ	C6BP3836-90****+++	68	50	125	18	M8x10	1.0W,0.33MΩ	C6BP3836-90****+++
91	50	125	18	M8x10	1.0W,0.27MΩ	C6BP3916-A0****+++	75	50	125	18	M8x10	1.0W,0.33MΩ	C6BP3916-A0****+++
100	50	125	18	M8x10	1.0W,0.27MΩ	C6BP3107-A0****+++	83	55	130	20	M8x12	1.0W,0.27MΩ	C6BP3107-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.

■ 外形尺寸 Dimensions(mm)

400Vac							480Vac						
C <sub>n</sub> (μF)	D ±2.0	H ±3.0	p ±1.0	Mounting bolt	Discharge resistor	Part number	C <sub>n</sub> (μF)	D ±2.0	H ±3.0	p ±1.0	Mounting bolt	Discharge resistor	Part number
4	40	60	16	M8x10	0.5W,0.82MΩ	C6BG2405-10****+++	4	40	60	16	M8x10	1.0W,0.82MΩ	C6BS3405-10****+++
5	40	60	16	M8x10	0.5W,0.82MΩ	C6BG2505-10****+++	5	40	60	16	M8x10	1.0W,0.82MΩ	C6BS3505-10****+++
6	40	60	16	M8x10	0.5W,0.82MΩ	C6BG2605-10****+++	6	40	60	16	M8x10	1.0W,0.82MΩ	C6BS3605-10****+++
7	40	60	16	M8x10	0.5W,0.82MΩ	C6BG2705-10****+++	7	45	60	18	M8x10	1.0W,0.82MΩ	C6BS3705-40****+++
8	40	60	16	M8x10	0.5W,0.82MΩ	C6BG2805-10****+++	8	40	75	16	M8x10	1.0W,0.82MΩ	C6BS3805-20****+++
9	45	60	18	M8x10	0.5W,0.82MΩ	C6BG2905-40****+++	9	40	75	16	M8x10	1.0W,0.82MΩ	C6BS3905-20****+++
10	45	60	18	M8x10	0.5W,0.82MΩ	C6BG2106-40****+++	10	45	75	18	M8x10	1.0W,0.82MΩ	C6BS3106-50****+++
11	45	60	18	M8x10	0.5W,0.82MΩ	C6BG2116-40****+++	11	45	75	18	M8x10	1.0W,0.82MΩ	C6BS3116-50****+++
12	40	75	16	M8x10	0.5W,0.82MΩ	C6BG2126-20****+++	12	45	75	18	M8x10	1.0W,0.82MΩ	C6BS3126-50****+++
13	40	75	16	M8x10	0.5W,0.82MΩ	C6BG2136-20****+++	13	50	75	18	M8x10	1.0W,0.82MΩ	C6BS3136-80****+++
15	45	75	18	M8x10	0.5W,0.82MΩ	C6BG2156-50****+++	13	40	100	16	M8x10	1.0W,0.82MΩ	C6BS3136-30****+++
16	45	75	18	M8x10	0.5W,0.82MΩ	C6BG2166-50****+++	15	50	75	18	M8x10	1.0W,0.82MΩ	C6BS3156-80****+++
18	50	75	18	M8x10	0.5W,0.82MΩ	C6BG2186-80****+++	16	45	100	18	M8x10	1.0W,0.82MΩ	C6BS3166-60****+++
20	50	75	18	M8x10	0.5W,0.82MΩ	C6BG2206-80****+++	18	45	100	18	M8x10	1.0W,0.82MΩ	C6BS3186-60****+++
18	40	100	16	M8x10	0.5W,0.82MΩ	C6BG2186-30****+++	20	50	100	18	M8x10	1.0W,0.82MΩ	C6BS3206-90****+++
20	40	100	16	M8x10	0.5W,0.82MΩ	C6BG2206-30****+++	22	50	100	18	M8x10	1.0W,0.82MΩ	C6BS3226-90****+++
22	50	75	18	M8x10	0.5W,0.82MΩ	C6BG2226-80****+++	24	50	100	18	M8x10	1.0W,0.82MΩ	C6BS3246-90****+++
24	45	100	18	M8x10	0.5W,0.82MΩ	C6BG2246-60****+++	26	45	125	18	M8x10	1.0W,0.82MΩ	C6BS3266-70****+++
26	45	100	18	M8x10	0.5W,0.82MΩ	C6BG2266-60****+++	28	50	125	18	M8x10	1.0W,0.47MΩ	C6BS3286-A0****+++
28	45	100	18	M8x10	0.5W,0.82MΩ	C6BG2286-60****+++	29	50	125	18	M8x10	1.0W,0.47MΩ	C6BS3296-A0****+++
29	50	100	18	M8x10	0.5W,0.82MΩ	C6BG2296-90****+++	30	50	125	18	M8x10	1.0W,0.47MΩ	C6BS3306-A0****+++
30	50	100	18	M8x10	1.0W,0.47MΩ	C6BG2306-90****+++	32	50	125	18	M8x10	1.0W,0.47MΩ	C6BS3326-A0****+++
32	50	100	18	M8x10	1.0W,0.47MΩ	C6BG2326-90****+++	35	55	130	20	M10x12	1.0W,0.47MΩ	C6BS3356-B0****+++
35	50	100	18	M8x10	1.0W,0.47MΩ	C6BG2356-90****+++	38	55	130	20	M10x12	1.0W,0.47MΩ	C6BS3386-B0****+++
38	45	125	18	M8x10	1.0W,0.47MΩ	C6BG2386-70****+++	42	55	130	20	M10x12	1.0W,0.47MΩ	C6BS3426-B0****+++
42	50	125	18	M8x10	1.0W,0.47MΩ	C6BG2426-A0****+++	46	60	130	20	M12x16	1.0W,0.47MΩ	C6BS3466-C0****+++
46	50	125	18	M8x10	1.0W,0.47MΩ	C6BG2466-A0****+++	51	60	130	20	M12x16	2.0W,0.33MΩ	C6BS3516-C0****+++
51	55	130	20	M10x12	1.0W,0.33MΩ	C6BG2516-B0****+++							
56	55	130	20	M10x12	1.0W,0.33MΩ	C6BG2566-B0****+++							
62	60	130	20	M12x16	1.0W,0.33MΩ	C6BG2626-C0****+++							
68	60	130	20	M12x16	1.0W,0.33MΩ	C6BG2686-C0****+++							

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.



C6B

■ 外形尺寸 Dimensions(mm)

540Vac							600Vac						
C <sub>n</sub> (μF)	D ±2.0	H ±3.0	p ±1.0	Mounting bolt	Discharge resistor	Part number	C <sub>n</sub> (μF)	D ±2.0	H ±3.0	p ±1.0	Mounting bolt	Discharge resistor	Part number
4	40	60	16	M8x10	1.0W,0.82MΩ	C6BT1405-10****+++	4	45	60	18	M8x10	1.0W,0.82MΩ	C6BU1405-40****+++
5	45	60	18	M8x10	1.0W,0.82MΩ	C6BT1505-40****+++	5	40	75	16	M8x10	1.0W,0.82MΩ	C6BU1505-20****+++
6	45	60	18	M8x10	1.0W,0.82MΩ	C6BT1605-40****+++	6	45	75	18	M8x10	1.0W,0.82MΩ	C6BU1605-50****+++
7	40	75	16	M8x10	1.0W,0.82MΩ	C6BT1705-20****+++	7	45	75	18	M8x10	1.0W,0.82MΩ	C6BU1705-50****+++
8	45	75	18	M8x10	1.0W,0.82MΩ	C6BT1805-50****+++	8	50	75	18	M8x10	1.0W,0.82MΩ	C6BU1805-80****+++
9	45	75	18	M8x10	1.0W,0.82MΩ	C6BT1905-50****+++	9	50	75	18	M8x10	1.0W,0.82MΩ	C6BU1905-80****+++
10	50	75	18	M8x10	1.0W,0.82MΩ	C6BT1106-80****+++	8	40	100	16	M8x10	1.0W,0.82MΩ	C6BU1805-30****+++
11	50	75	18	M8x10	1.0W,0.82MΩ	C6BT1116-80****+++	9	40	100	16	M8x10	1.0W,0.82MΩ	C6BU1905-30****+++
10	40	100	16	M8x10	1.0W,0.82MΩ	C6BT1106-30****+++	10	50	75	18	M8x10	1.0W,0.82MΩ	C6BU1106-80****+++
11	40	100	16	M8x10	1.0W,0.82MΩ	C6BT1116-30****+++	11	45	100	18	M8x10	1.0W,0.82MΩ	C6BU1116-60****+++
12	50	75	18	M8x10	1.0W,0.82MΩ	C6BT1126-80****+++	12	45	100	16	M8x10	1.0W,0.82MΩ	C6BU1126-60****+++
13	45	100	18	M8x10	1.0W,0.82MΩ	C6BT1136-60****+++	13	50	100	18	M8x10	1.0W,0.82MΩ	C6BU1136-90****+++
15	45	100	18	M8x10	1.0W,0.82MΩ	C6BT1156-60****+++	15	50	100	18	M8x10	1.0W,0.82MΩ	C6BU1156-90****+++
16	50	100	18	M8x10	1.0W,0.82MΩ	C6BT1166-90****+++	16	50	100	18	M8x10	1.0W,0.82MΩ	C6BU1166-90****+++
18	50	100	18	M8x10	1.0W,0.82MΩ	C6BT1186-90****+++	18	50	125	18	M8x10	1.0W,0.82MΩ	C6BU1186-A0****+++
20	45	125	18	M8x10	1.0W,0.82MΩ	C6BT1206-70****+++	20	50	125	18	M8x10	1.0W,0.82MΩ	C6BU1206-A0****+++
22	50	125	18	M8x10	1.0W,0.82MΩ	C6BT1226-A0****+++	22	50	125	18	M8x10	1.0W,0.82MΩ	C6BU1226-A0****+++
24	50	125	18	M8x10	1.0W,0.82MΩ	C6BT1246-A0****+++	24	55	130	20	M10x12	1.0W,0.82MΩ	C6BU1246-B0****+++
26	50	125	18	M8x10	2.0W,0.47MΩ	C6BT1266-A0****+++	26	55	130	20	M10x12	2.0W,0.47MΩ	C6BU1266-B0****+++
28	55	130	20	M10x12	2.0W,0.47MΩ	C6BT1286-B0****+++	28	55	130	20	M10x12	2.0W,0.47MΩ	C6BU1286-B0****+++
29	55	130	20	M10x12	2.0W,0.47MΩ	C6BT1296-B0****+++	29	60	130	20	M12x16	2.0W,0.47MΩ	C6BU1296-C0****+++
30	55	130	20	M10x12	2.0W,0.47MΩ	C6BT1306-B0****+++	30	60	130	20	M12x16	2.0W,0.47MΩ	C6BU1306-C0****+++
32	55	130	20	M10x12	2.0W,0.47MΩ	C6BT1326-B0****+++	32	60	130	20	M12x16	2.0W,0.47MΩ	C6BU1326-C0****+++
35	60	130	20	M12x16	2.0W,0.47MΩ	C6BT1356-C0****+++	34	60	130	20	M12x16	2.0W,0.47MΩ*	C6BU1346-C0****+++
38	60	130	20	M12x16	2.0W,0.47MΩ	C6BT1386-C0****+++							
40	60	130	20	M12x16	2.0W,0.47MΩ	C6BT1406-C0****+++							

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.