

包封金属化聚丙烯膜电容器 (CBB23) 规格书

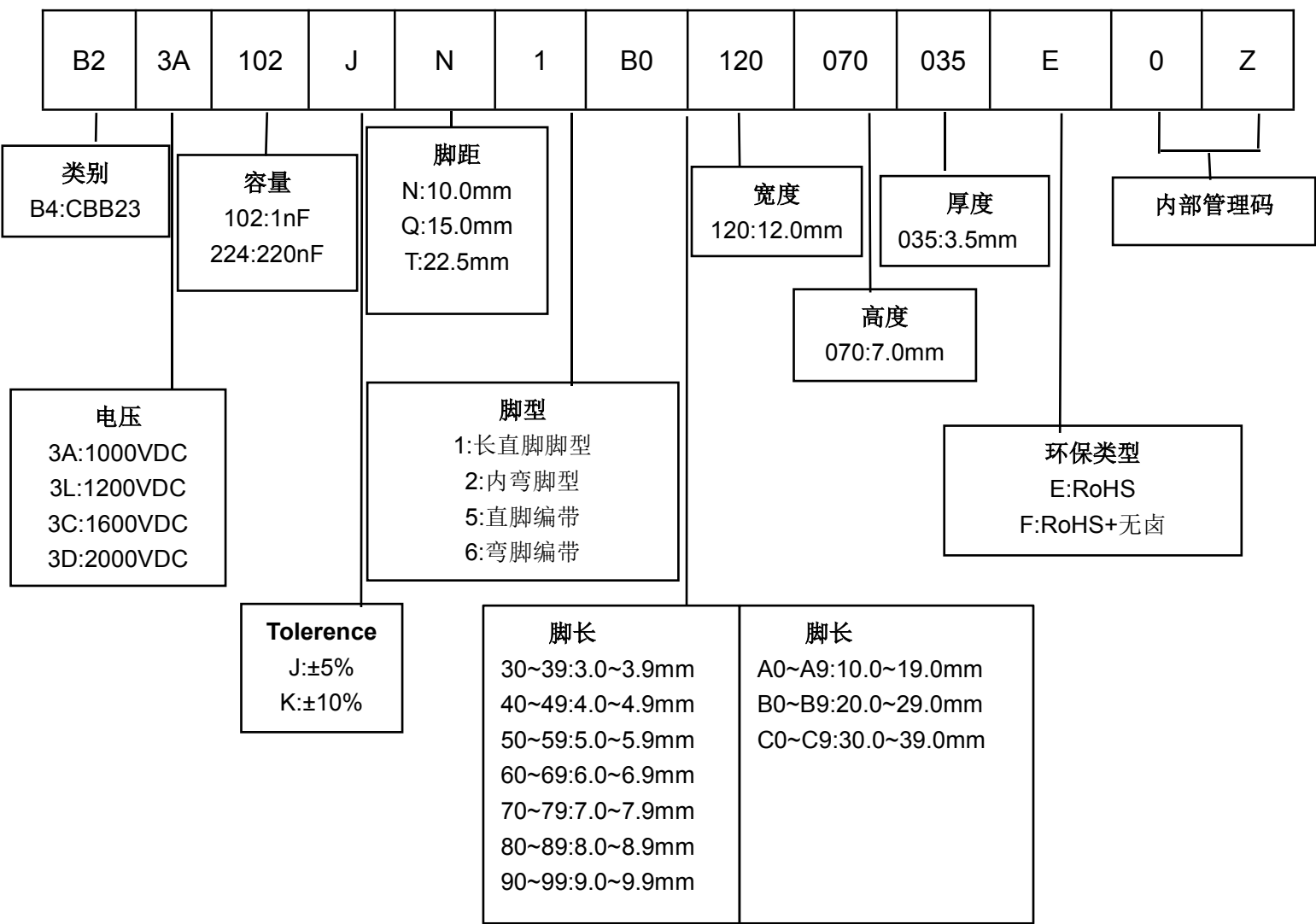
特点

- 电容器容量范围从 0.001uF 到 0.22uF。
- 工作温度：-40℃~105℃。
- 储存温度：15℃~35℃。
- 损耗小，内部温升小。
- 金属化聚丙烯内串结构。
- 负温度系数。
- 阻燃环氧树脂包封。

用途

- 广泛应用于高压高频脉冲电路中。
- 电子照明(如电子镇流器)。

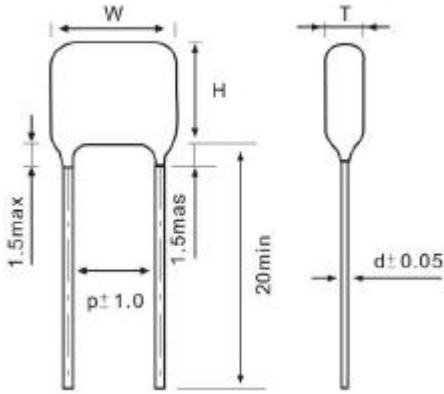
料号编码原则



技术要求

气候类别	40/100/21
额定电压	1000VDC、1200VDC、 1600VDC、2000VDC、
损耗角正切	≤0.1%(1KHz、1.0Vrms、20℃)
耐电压	1.6UR (2s)
绝缘电阻	C≤0.33uF,IR≥50000MΩ C>0.33uF,IR≥15000S (AT 100VDC、60SEC、20℃)

外形尺寸 (mm)

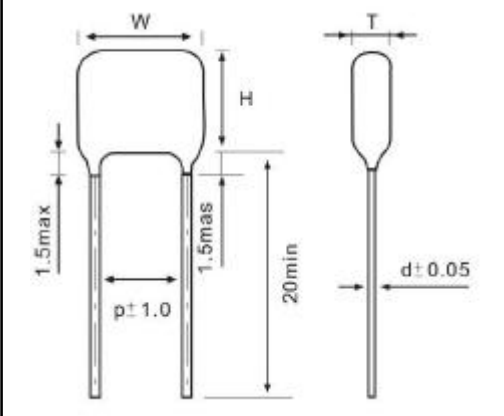
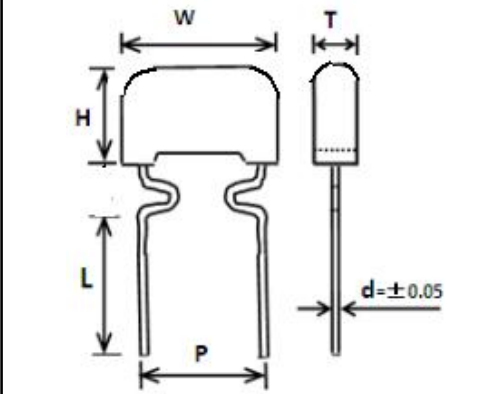


容量(uF)	电压	尺寸(mm)				
		W Max	H Max	T Max	P ± 1.0	d ± 0.05
0.001	1000VDC	12.0	7.0	3.5	10.0	0.6
	1200VDC	12.0	7.0	3.5	10.0	0.6
	1600VDC	17.0	9.5	4.5	15.0	0.8
	2000VDC	17.0	9.5	4.5	15.0	0.8
0.0012	1000VDC	12.0	7.5	3.5	10.0	0.6
	1200VDC	12.0	7.5	3.5	10.0	0.6
	1600VDC	17.0	10.0	5.0	15.0	0.8
	2000VDC	17.0	10.0	5.0	15.0	0.8
0.0015	1000VDC	12.0	7.5	4.0	10.0	0.6
	1200VDC	12.0	7.5	4.0	10.0	0.6
	1600VDC	17.0	10.0	5.5	15.0	0.8
	2000VDC	17.0	10.0	5.5	15.0	0.8
0.0018	1000VDC	12.0	8.0	4.0	10.0	0.6
	1200VDC	12.0	8.0	4.0	10.0	0.6
	1600VDC	17.0	11.0	5.5	15.0	0.8
	2000VDC	17.0	11.0	5.5	15.0	0.8
0.0022	1000VDC	12.0	8.5	5.0	10.0	0.6
	1200VDC	12.0	8.5	5.0	10.0	0.6
	1600VDC	17.0	11.0	6.0	15.0	0.8
	2000VDC	17.0	11.0	6.0	15.0	0.8
0.0033	1000VDC	12.0	8.5	5.0	10.0	0.6
	1200VDC	12.0	8.5	5.0	10.0	0.6
	1600VDC	17.0	9.0	5.0	15.0	0.8
	2000VDC	17.0	9.0	6.5	15.0	0.8

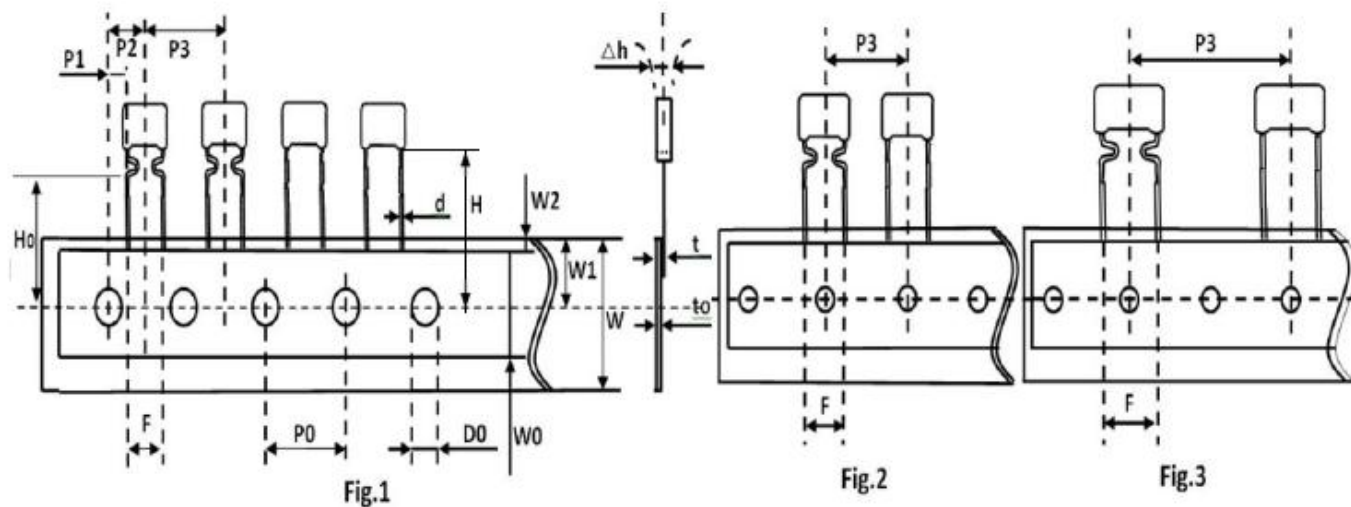
容量(uF)	电压	尺寸(mm)				
		W Max	H Max	T Max	P ± 1.0	d ± 0.05
0.0047	1000VDC	12.0	9.0	4.5	10.0	0.6
	1200VDC	12.0	9.0	4.5	10.0	0.6
	1600VDC	17.0	9.0	5.0	15.0	0.8
	2000VDC	17.0	9.0	7.0	15.0	0.8
0.0056	1000VDC	12.0	9.0	4.5	10.0	0.8
	1200VDC	12.0	9.0	4.5	10.0	0.8
	1600VDC	17.0	10.0	5.0	15.0	0.8
	2000VDC	17.0	9.0	7.0	15.0	0.8
0.0068	1000VDC	12.0	9.5	4.5	10.0	0.6
	1200VDC	12.0	9.5	4.5	10.0	0.6
	1600VDC	17.0	10.5	5.5	15.0	0.8
	2000VDC	17.0	10.0	8.0	15.0	0.8
0.0082	1000VDC	12.0	10.0	5.0	10.0	0.6
	1200VDC	12.0	10.0	5.0	10.0	0.6
	1600VDC	17.0	11.0	5.5	15.0	0.8
	2000VDC	17.0	15.0	8.5	15.0	0.8
0.01	1000VDC	12.0	10.5	5.5	10.0	0.6
	1200VDC	12.0	10.5	5.5	10.0	0.6
	1600VDC	17.0	11.0	6.0	15.0	0.8
	2000VDC	17.0	15.0	10.5	15.0	0.8
0.012	1000VDC	12.0	11.0	6.0	10.0	0.6
	1200VDC	12.0	11.0	6.0	10.0	0.6
	1600VDC	17.0	12.0	6.5	15.0	0.8
	2000VDC	17.0	12.0	6.5	15.0	0.8
0.015	1000VDC	12.0	12.0	7.0	10.0	0.6
	1200VDC	12.0	12.0	7.0	10.0	0.6
	1600VDC	17.0	13.5	7.5	15.0	0.8
	2000VDC	17.0	13.5	7.5	15.0	0.8
0.022	1000VDC	17.0	13.0	6.5	15.0	0.8
	1200VDC	17.0	13.0	6.5	15.0	0.8
	1600VDC	24.0	12.5	6.5	22.5	0.8
0.033	1000VDC	17.0	13.0	6.5	15.0	0.8
	1200VDC	17.0	13.0	6.5	15.0	0.8
	1600VDC	24.0	13.0	7.0	22.5	0.8

容量(uF)	电压	尺寸(mm)				
		W Max	H Max	T Max	P ± 1.0	d ± 0.05
0.047	1000VDC	17.0	13.0	7.0	15.0	0.8
	1200VDC	17.0	13.0	7.0	15.0	0.8
	1600VDC	24.0	13.0	7.0	22.5	0.8
0.056	1000VDC	24.0	11.0	6.0	22.5	0.8
	1200VDC	24.0	11.0	6.0	22.5	0.8
0.068	1000VDC	24.0	13.0	6.5	22.5	0.8
	1200VDC	24.0	13.0	6.5	22.5	0.8
0.082	1000VDC	24.0	15.0	7.5	22.5	0.8
	1200VDC	24.0	15.0	7.5	22.5	0.8
0.1	1000VDC	24.0	15.0	7.5	22.5	0.8
	1200VDC	24.0	15.0	7.5	22.5	0.8
0.12	1000VDC	24.0	15.5	8.0	22.5	0.8
	1200VDC	24.0	15.5	8.0	22.5	0.8
0.15	1000VDC	24.0	16.5	9.0	22.5	0.8
	1200VDC	24.0	16.5	9.0	22.5	0.8
0.22	1000VDC	24.0	18.5	11.0	22.5	0.8
	1200VDC	24.0	18.5	11.0	22.5	0.8

脚型、脚长说明

脚型	图示	脚长 L (mm)
长直脚脚型		① $[2.5 \leq L < 6.0] + / - 0.5$; ② $[6.0 \leq L \leq 10] + / - 1.0$
内弯脚型		① $[2.5 \leq L < 6.0] + / - 0.5$; ② $[6.0 \leq L \leq 10] + / - 1.0$

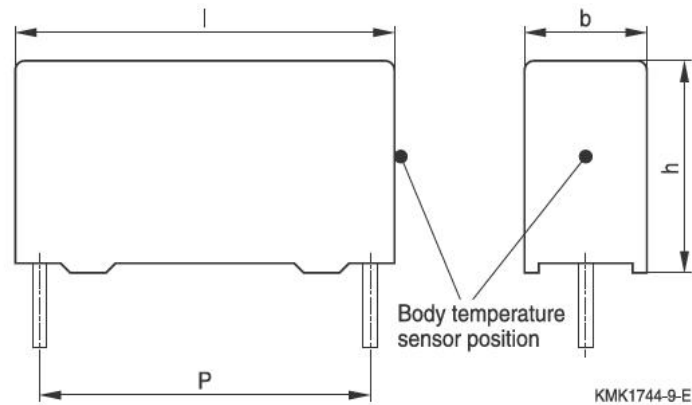
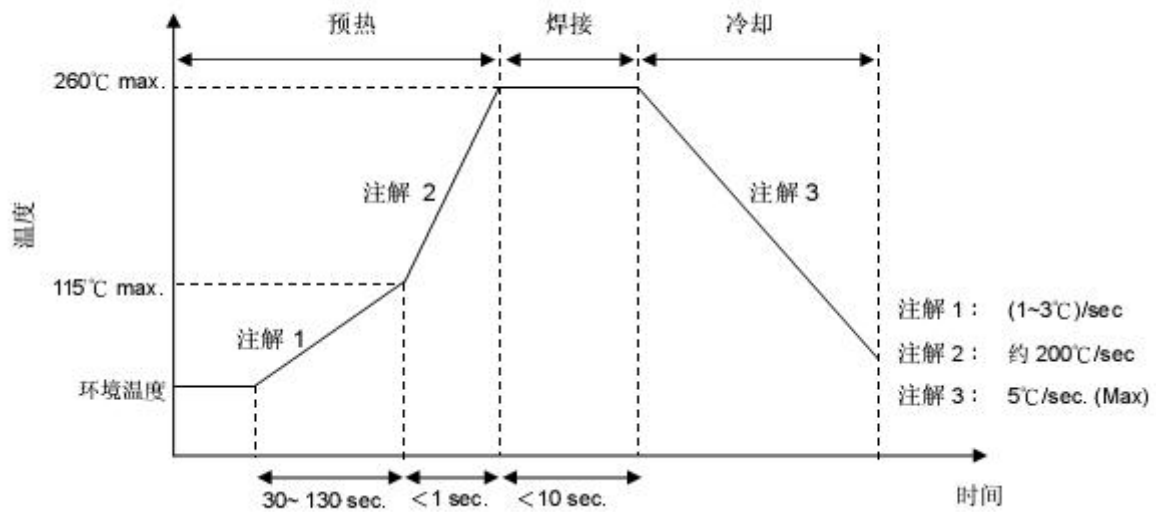
编带尺寸 (mm)



代码	Fig.2	Fig.3	Fig.3	误差
	P=10	P=15	P=20/22.5	
P3	12.7	25.4	30.0	±1.0
P2	/	/	/	±1.3
P0	12.7	12.7	15.0	±0.3
P1	/	/	/	±0.7
F	10.0	15.0	20.0/22.5	±1.0
H	20.0	20.0	20.0	±1.0
H0	16.5	16.5	16.5	±0.5
Δh	0	0	0	±2.0
W	18.0	18.0	18.0	+1.0/-0.5
W0	12.0	12.0	12.0	±1.0
W1	9.0	9.0	9.0	±0.5
W2	3.0	3.0	3.0	Max
D0	4.0	4.0	4.0	±0.3
d	0.6	0.8	0.8	±0.05
t	1.1	1.4	1.4	±0.2
t0	0.38	0.47	0.47	±0.04

焊接条件:

波峰焊曲线



PP:

During pre-heating: $T_p \leq 110^\circ\text{C}$

During soldering: $T_s \leq 120^\circ\text{C}$, $t_s \leq 15\text{ s}$

PE:

During pre-heating: $T_p \leq 125^\circ\text{C}$

During soldering: $T_s \leq 160^\circ\text{C}$, $t_s \leq 15\text{ s}$

烙铁重工焊接条件

项目	条件
烙铁头部温度	350°C (max.)
焊接时间	3 sec (max.)
焊接位置与涂装层距离	2 mm (min.)

注：薄膜电容器不适合回流焊焊接，否则产品会因热收缩导致性能问题。