# 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。

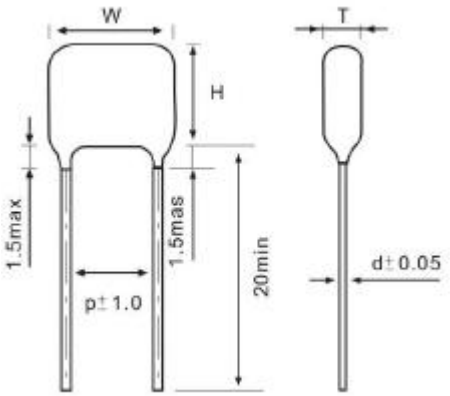
■电子照明(如电子镇流器)。

料号与订货信息请咨询。

## 技术要求

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

# 外形尺寸 (mm)

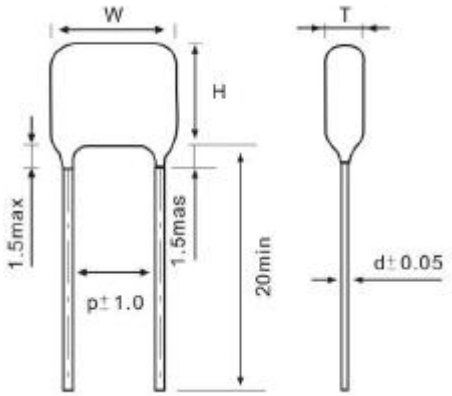
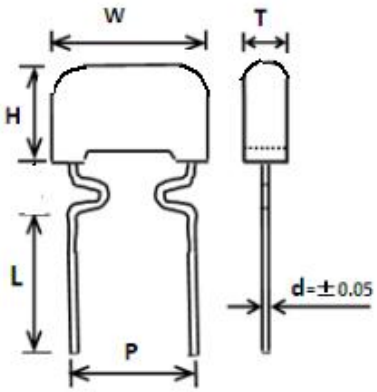



| 容量(uF) | 电压 | 尺寸(mm) | | | | |
|---|---|---|---|---|---|---|
| | | W Max | H Max | T Max | P±1.0 | d±0.05 |
| 0.001 | 1000VDC | 12.0 | 7.0 | 3.5 | 10.0 | 0.6 |
| | 1200VDC | 12.0 | 7.0 | 3.5 | 10.0 | 0.6 |
| | 1600VDC | 17.0 | 9.5 | 4.5 | 15.0 | 0.8 |
| | 2000VDC | 17.0 | 9.5 | 4.5 | 15.0 | 0.8 |
| 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 |

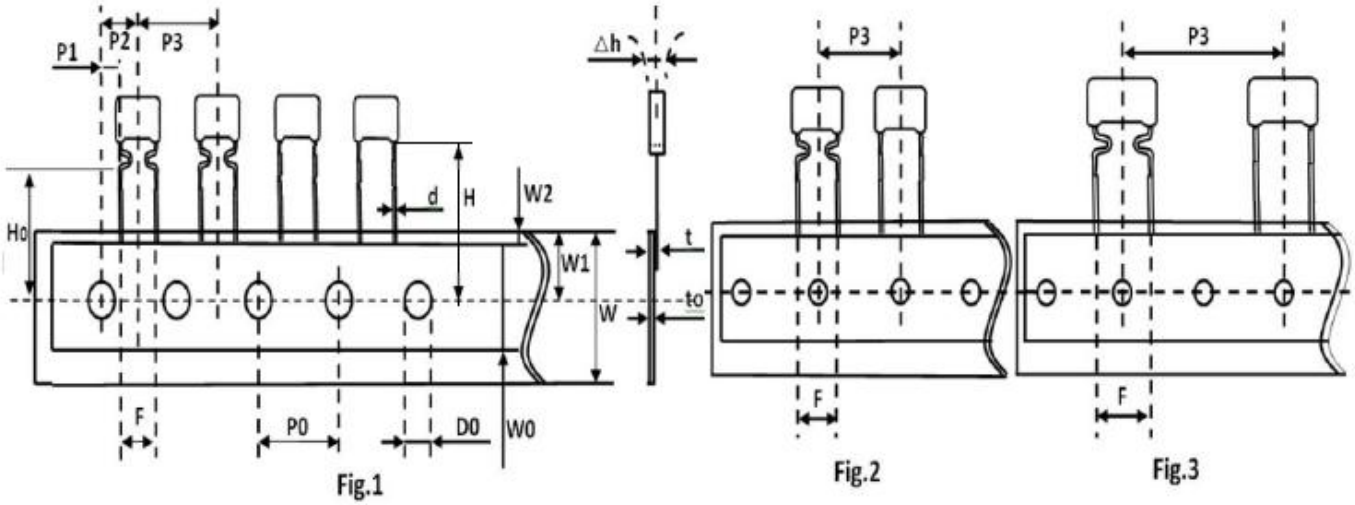
| 容量(uF) | 电压 | 尺寸(mm) | | | | |
|---|---|---|---|---|---|---|
| | | W Max | H Max | T Max | P±1.0 | d±0.05 |
| 0.0047 | 1000VDC | 12.0 | 9.0 | 4.5 | 10.0 | 0.6 |
| | 1200VDC | 12.0 | 9.0 | 4.5 | 10.0 | 0.6 |
| | 1600VDC | 17.0 | 9.0 | 5.0 | 15.0 | 0.8 |
| | 2000VDC | 17.0 | 9.0 | 7.0 | 15.0 | 0.8 |
| 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≤L＜6.0]+/-0.5;<br>②[6.0≤L≤10]+/-1.0 |
| 内弯脚型 |  | ①[2.5≤L＜6.0]+/-0.5;<br>②[6.0≤L≤10]+/-1.0 |

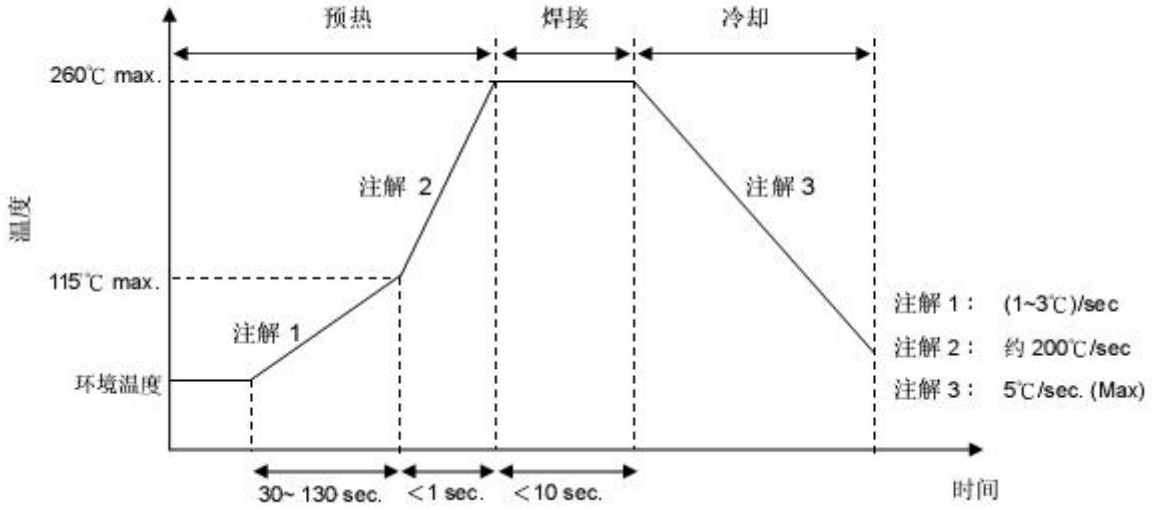
# 编带尺寸 (mm)



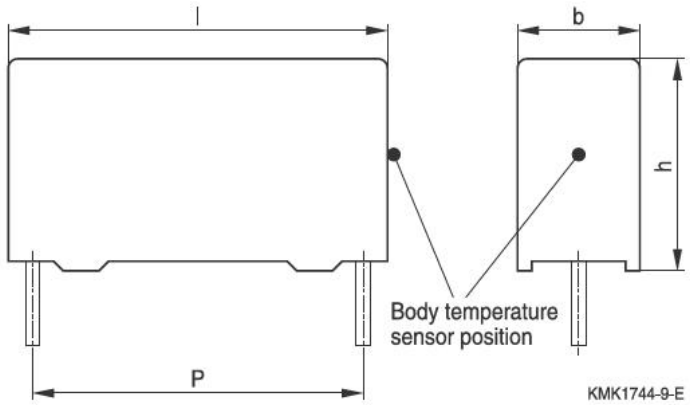

| 代码 | Fig.2 | Fig.3 | Fig.3 | 误差 |
|---|---|---|---|---|
| | P=10 | P=15 | P=20/22.5 | |
| P3 | 12.7 | 25.4 | 30.0 | ±1.0 |
| P2 | / | / | / | ±1.3 |
| P0 | 12.7 | 12.7 | 15.0 | ±0.3 |
| P1 | / | / | / | ±0.7 |
| F | 10.0 | 15.0 | 20.0/22.5 | ±1.0 |
| H | 20.0 | 20.0 | 20.0 | ±1.0 |
| H0 | 16.5 | 16.5 | 16.5 | ±0.5 |
| Δ h | 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: Tp ≤110℃
During soldering: Ts ≤120℃, ts ≤15 s
PE:
During pre-heating: Tp ≤125℃
During soldering: Ts ≤160℃, ts ≤15 s

烙铁重工焊接条件

| 项目 | 条件 |
|---|---|
| 烙铁头部温度 | 350℃(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。**