

**Metallized Polypropylene Film And Foil Capacitors****金属化聚丙烯膜箔式高压电容器****■采用标准**

GB10188(IEC384-13)

**■结构**

介质：聚丙烯膜

电极：金属真空蒸发层和铝箔

封装：阻燃粉末环氧树脂，符合 UL94 V-0

引脚：铜包钢镀锡（CP 线）或铜线

**■典型应用**

高频、直流、交流及脉冲大电流场合

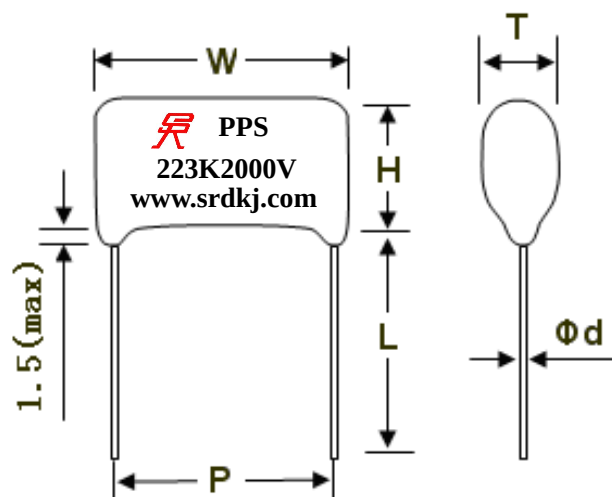
如：灯具、电源、显示器及彩电行逆程线路等

电子整流器，节能灯等

**■特点**

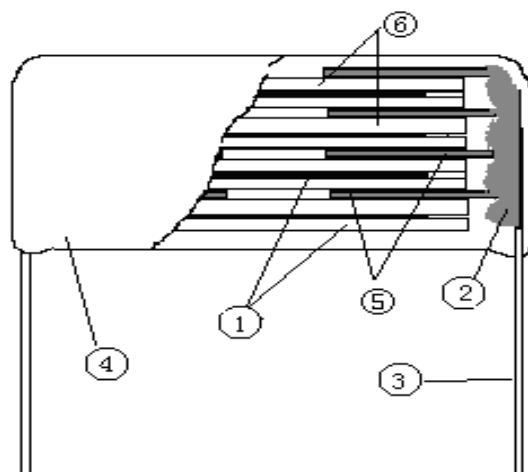
有良好自愈性能。高频损耗小，温升低

高冲击强度。内部串联结构，电压高，过电流大等

**■符合 ROHS 标准****■技术参数**

|             |      |         |      |      |      |      |      |
|-------------|------|---------|------|------|------|------|------|
| 脚距 mm       | 10   | 15      | 20   | 22.5 | 25   | 27.5 | 31.5 |
| 引线直径 mm     | 0.6  | 0.6/0.8 | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  |
| dv/dt(V/μs) | 1000 | 1500    | 1000 | 1000 | 1000 | 500  | 500  |

|               |                                                             |                                                                   |
|---------------|-------------------------------------------------------------|-------------------------------------------------------------------|
| 气候条件          | -40—+85 (105) °C/56d                                        |                                                                   |
| 额定电压          | 630VDC、1000VDC、1250VDC、1600VDC、2000VDC、3000VDC              |                                                                   |
| 容量误差          | J—±5%    K—±10%    M—±20%                                   |                                                                   |
| 容量范围          | 0.0010 μF—0.47 μF                                           |                                                                   |
| 耐电压           | 端子与端子：2.0UR    5S<br>端子与外壳：2000VAC    5S                    | 无击穿或飞狐                                                            |
| 损耗角           | ≤0.0010    10KHZ                                            | 20°C；1V 测试电压                                                      |
| 绝缘电阻<br>或时间常数 | CR≤0.33 μF    IR≥30000MΩ<br>CR>0.33 μF    IR≥10000S(MΩ. μF) | UR≤500V, 充电电压 100V<br>UR>500V, 充电电压 500V<br>20°C；充电 1min 测试后测得    |
| 稳态湿热          | 温度：40±2°C<br>湿度：93%RH<br>持续时间：56 天                          | 无可见损伤，标志清晰<br>IR: ≥额定值的 50%<br>电容量：ΔC/C≤5%<br>损耗角（1KHZ）：增加≤0.0020 |
| 耐久性试验         | +85 (105) °C，连续 10000 小时<br>施加电压：1.25×额定电压                  | 绝缘电阻 IR: ≥额定值的 50%<br>电容量：ΔC/C≤10%                                |

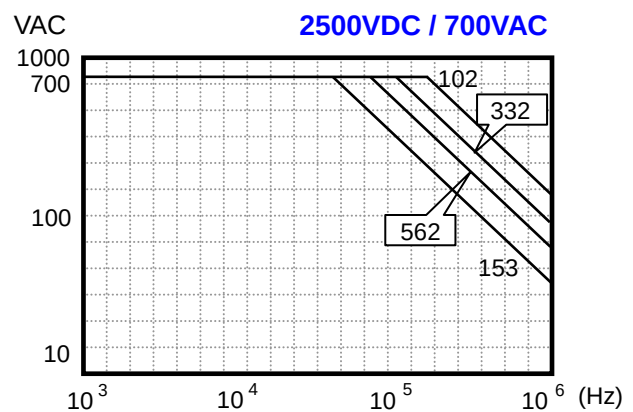
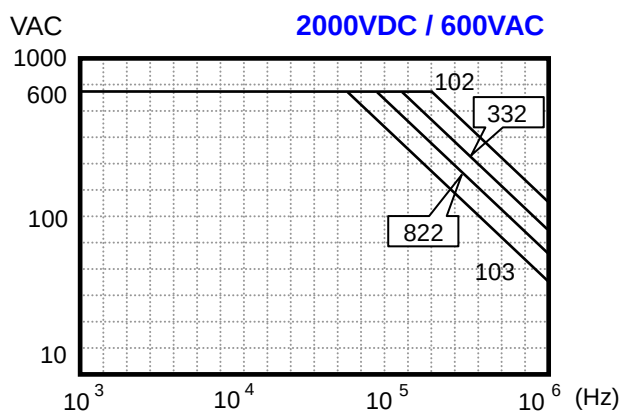
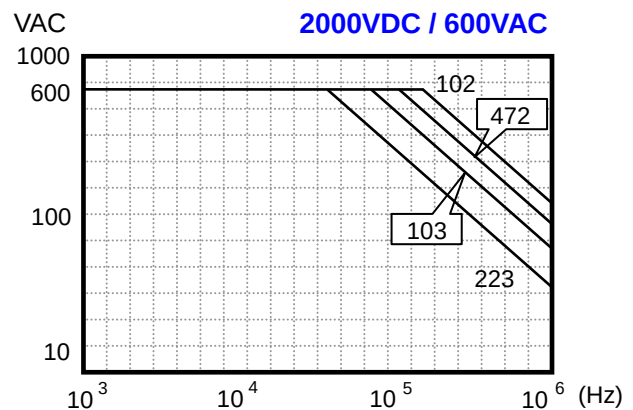
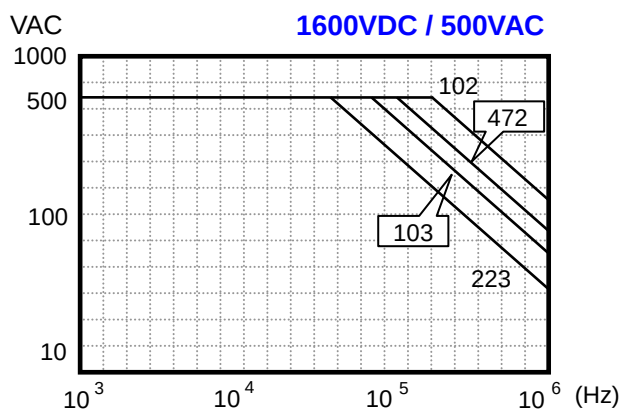
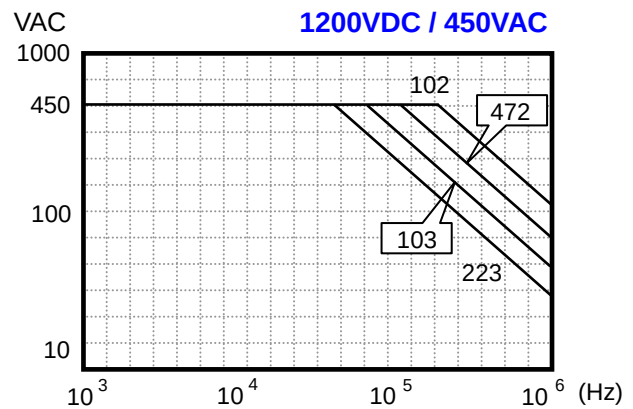
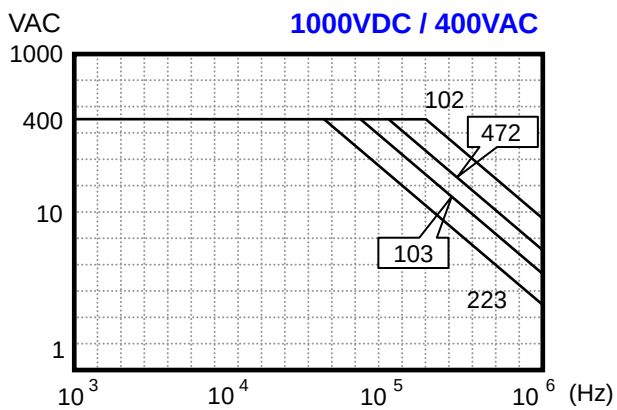
**■结构图**

- ① 金属化聚丙烯薄膜
- ② 喷金层
- ③ 引脚
- ④ 阻燃粉末环氧树脂
- ⑤ 铝箔
- ⑥ 聚丙烯薄膜

## Permissible AC Voltage VS Frequency Curves

CBB81(PPS)

容许交流电压 VS 频率曲线图



# Permissible Pulse Current VS Frequency & Duty Tables

CBB81(PPS)

容许脉冲电流值 VS 频率与负载对照表

1000VDC

| CAP<br>(uF)    | 31.00KHz               |               |     |      |      |                | 37.00KHz               |               |     |      |      |                | 48.00KHz               |               |      |      |      |                | 56.00KHz               |               |      |      |      |      |
|----------------|------------------------|---------------|-----|------|------|----------------|------------------------|---------------|-----|------|------|----------------|------------------------|---------------|------|------|------|----------------|------------------------|---------------|------|------|------|------|
|                | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |     |      |      |                | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |     |      |      |                | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |                | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |      |
|                |                        | 9.7           | 8.1 | 6.5  | 4.8  | 3.2            |                        | 8.1           | 6.8 | 5.4  | 4.1  | 2.7            |                        | 6.3           | 5.2  | 4.2  | 3.1  | 2.1            |                        | 5.4           | 4.5  | 3.6  | 2.7  | 1.8  |
|                |                        | Duty (%)      |     |      |      |                |                        | Duty (%)      |     |      |      |                |                        | Duty (%)      |      |      |      |                |                        | Duty (%)      |      |      |      |      |
|                |                        | 30            | 25  | 20   | 15   | 10             |                        | 30            | 25  | 20   | 15   | 10             |                        | 30            | 25   | 20   | 15   | 10             |                        | 30            | 25   | 20   | 15   | 10   |
| I p-p(Amp)max. |                        |               |     |      |      | I p-p(Amp)max. |                        |               |     |      |      | I p-p(Amp)max. |                        |               |      |      |      | I p-p(Amp)max. |                        |               |      |      |      |      |
| 0.0010         | 900                    | 1.6           | 1.9 | 2.3  | 3.2  | 4.7            | 900                    | 1.7           | 2.0 | 2.6  | 3.4  | 5.1            | 900                    | 2.0           | 2.3  | 2.9  | 3.9  | 5.9            | 900                    | 2.1           | 2.6  | 3.3  | 4.4  | 6.5  |
| 0.0012         | 900                    | 1.8           | 2.1 | 2.6  | 3.5  | 5.2            | 900                    | 2.0           | 2.3 | 2.9  | 3.9  | 5.8            | 900                    | 2.2           | 2.7  | 3.4  | 4.6  | 6.8            | 900                    | 2.4           | 2.9  | 3.6  | 4.8  | 7.3  |
| 0.0015         | 900                    | 2.0           | 2.3 | 2.9  | 3.9  | 5.8            | 900                    | 2.1           | 2.5 | 3.2  | 4.3  | 6.3            | 900                    | 2.5           | 3.0  | 3.7  | 5.0  | 7.5            | 900                    | 2.7           | 3.2  | 4.0  | 5.3  | 8.0  |
| 0.0018         | 900                    | 2.1           | 2.5 | 3.1  | 4.2  | 6.3            | 900                    | 2.3           | 2.8 | 3.3  | 4.7  | 7.0            | 900                    | 2.8           | 3.2  | 4.1  | 5.4  | 8.3            | 900                    | 3.0           | 3.4  | 4.4  | 5.9  | 8.8  |
| 0.0022         | 900                    | 2.3           | 2.8 | 3.4  | 4.6  | 6.9            | 900                    | 2.5           | 3.0 | 3.7  | 5.0  | 7.6            | 900                    | 3.0           | 3.5  | 4.5  | 6.0  | 8.9            | 900                    | 3.2           | 3.8  | 4.7  | 6.3  | 9.6  |
| 0.0027         | 900                    | 2.6           | 3.1 | 3.8  | 5.1  | 7.7            | 900                    | 2.8           | 3.3 | 4.2  | 5.6  | 8.4            | 900                    | 3.3           | 3.9  | 4.8  | 6.4  | 9.7            | 900                    | 3.4           | 4.1  | 5.2  | 6.9  | 10.3 |
| 0.0033         | 900                    | 2.9           | 3.4 | 4.3  | 5.7  | 8.5            | 900                    | 2.1           | 3.7 | 4.7  | 6.1  | 9.3            | 900                    | 3.5           | 4.3  | 5.3  | 7.2  | 10.7           | 900                    | 3.8           | 4.6  | 5.7  | 7.6  | 11.4 |
| 0.0036         | 900                    | 3.0           | 3.5 | 4.4  | 5.9  | 8.8            | 900                    | 3.3           | 3.8 | 4.8  | 6.4  | 9.7            | 900                    | 3.7           | 4.5  | 5.6  | 7.4  | 11.2           | 900                    | 4.0           | 4.7  | 6.0  | 7.9  | 11.9 |
| 0.0039         | 900                    | 3.1           | 3.6 | 4.6  | 6.0  | 9.1            | 900                    | 3.3           | 4.0 | 5.0  | 6.6  | 10.0           | 900                    | 3.8           | 4.7  | 5.8  | 7.7  | 11.5           | 900                    | 4.1           | 4.9  | 6.1  | 8.2  | 12.4 |
| 0.0043         | 900                    | 3.2           | 3.7 | 4.7  | 6.2  | 9.3            | 900                    | 3.4           | 4.1 | 5.1  | 6.8  | 10.2           | 900                    | 3.9           | 4.7  | 6.0  | 7.9  | 11.8           | 900                    | 4.2           | 5.1  | 6.3  | 8.5  | 12.6 |
| 0.0047         | 900                    | 3.3           | 3.8 | 4.8  | 6.4  | 9.7            | 900                    | 3.5           | 4.2 | 5.3  | 7.1  | 10.6           | 900                    | 4.1           | 4.9  | 6.1  | 8.2  | 12.2           | 900                    | 4.4           | 5.3  | 6.5  | 8.7  | 13.1 |
| 0.0051         | 900                    | 3.3           | 4.0 | 5.0  | 6.7  | 10.0           | 900                    | 3.7           | 4.4 | 5.5  | 7.3  | 11.1           | 900                    | 4.3           | 5.1  | 6.4  | 8.6  | 12.7           | 900                    | 4.6           | 5.5  | 6.8  | 9.1  | 13.7 |
| 0.0056         | 900                    | 3.5           | 4.2 | 5.2  | 7.0  | 10.5           | 900                    | 3.8           | 4.6 | 5.8  | 7.6  | 11.4           | 900                    | 4.5           | 5.3  | 6.6  | 8.8  | 13.3           | 900                    | 4.7           | 5.7  | 7.1  | 9.5  | 14.2 |
| 0.0062         | 900                    | 3.6           | 4.4 | 5.5  | 7.3  | 11.0           | 900                    | 4.0           | 4.7 | 6.0  | 8.0  | 11.9           | 900                    | 4.7           | 5.5  | 6.9  | 9.2  | 13.9           | 900                    | 4.9           | 6.0  | 7.4  | 9.9  | 14.8 |
| 0.0068         | 900                    | 3.9           | 4.7 | 5.9  | 7.8  | 11.7           | 900                    | 4.2           | 5.0 | 6.1  | 8.5  | 12.6           | 900                    | 4.8           | 5.8  | 7.3  | 9.6  | 14.4           | 900                    | 5.1           | 6.2  | 7.8  | 10.3 | 15.4 |
| 0.0075         | 900                    | 4.0           | 4.8 | 6.0  | 8.1  | 12.1           | 900                    | 4.3           | 5.2 | 6.4  | 8.7  | 12.9           | 900                    | 5.0           | 6.0  | 7.4  | 10.0 | 15.0           | 900                    | 5.3           | 6.4  | 8.1  | 10.7 | 16.0 |
| 0.0082         | 900                    | 4.2           | 5.0 | 6.3  | 8.5  | 12.6           | 900                    | 4.5           | 5.4 | 6.8  | 9.0  | 13.5           | 900                    | 5.2           | 6.2  | 7.8  | 10.4 | 15.6           | 900                    | 5.6           | 6.7  | 8.4  | 11.2 | 16.7 |
| 0.0091         | 900                    | 4.4           | 5.2 | 6.5  | 8.7  | 13.1           | 900                    | 4.7           | 5.7 | 7.1  | 9.4  | 14.0           | 900                    | 5.4           | 6.5  | 8.2  | 10.9 | 16.3           | 800                    | 5.9           | 7.0  | 8.7  | 11.6 | 17.5 |
| 0.010          | 900                    | 4.6           | 5.5 | 6.9  | 9.1  | 13.7           | 900                    | 4.9           | 6.0 | 7.4  | 10.0 | 14.9           | 800                    | 5.8           | 6.9  | 8.6  | 11.5 | 17.3           | 800                    | 6.1           | 7.3  | 9.2  | 12.3 | 18.5 |
| 0.012          | 900                    | 5.1           | 6.2 | 7.7  | 10.3 | 15.4           | 900                    | 5.5           | 6.6 | 8.3  | 11.1 | 16.6           | 800                    | 6.3           | 7.5  | 9.4  | 12.6 | 18.9           | 800                    | 6.7           | 8.1  | 10.0 | 13.5 | 20.2 |
| 0.015          | 900                    | 5.7           | 6.9 | 8.6  | 11.4 | 17.1           | 800                    | 6.1           | 7.3 | 9.2  | 12.3 | 18.4           | 800                    | 7.1           | 8.5  | 10.6 | 14.0 | 21.1           | 800                    | 7.5           | 9.0  | 11.3 | 15.1 | 22.6 |
| 0.018          | 900                    | 6.4           | 7.6 | 9.6  | 12.7 | 19.2           | 800                    | 6.9           | 8.3 | 10.3 | 13.8 | 20.6           | 800                    | 7.9           | 9.5  | 11.8 | 15.8 | 23.6           | 800                    | 8.5           | 10.1 | 12.6 | 16.9 | 25.3 |
| 0.022          | 800                    | 7.1           | 8.6 | 10.6 | 14.2 | 21.3           | 800                    | 7.6           | 9.1 | 11.4 | 15.3 | 22.9           | 800                    | 8.7           | 10.5 | 13.1 | 17.5 | 26.2           | 700                    | 9.4           | 11.3 | 14.0 | 18.8 | 28.1 |

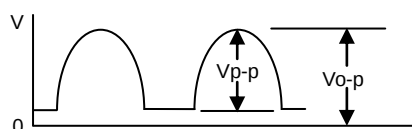
## ■ 测试条件

环境温度: +85℃ ±5℃

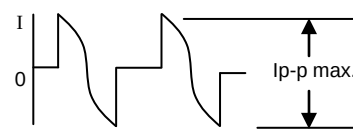
相对湿度: 65% -- 95%

上升温度 (ΔT): 8℃ max.

## ■ 电压波形



## ■ 电流波形



| CAP<br>(uF) | 64.00KHz               |               |      |      |      |      | 78.00KHz               |               |      |      |      |      | 82.00KHz               |               |      |      |      |      | 96.00KHz               |               |      |      |      |      |
|-------------|------------------------|---------------|------|------|------|------|------------------------|---------------|------|------|------|------|------------------------|---------------|------|------|------|------|------------------------|---------------|------|------|------|------|
|             | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |      | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |      | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |      | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |      |
|             |                        | 4.7           | 3.9  | 3.5  | 2.3  | 1.6  |                        | 3.9           | 3.2  | 2.6  | 1.9  | 1.3  |                        | 3.7           | 3.1  | 2.4  | 1.8  | 1.2  |                        | 3.1           | 2.6  | 2.1  | 1.6  | 1.0  |
|             |                        | Duty (%)      |      |      |      |      |                        | Duty (%)      |      |      |      |      |                        | Duty (%)      |      |      |      |      |                        | Duty (%)      |      |      |      |      |
|             |                        | 30            | 25   | 20   | 15   | 10   |                        | 30            | 25   | 20   | 15   | 10   |                        | 30            | 25   | 20   | 15   | 10   |                        | 30            | 25   | 20   | 15   | 10   |
|             | I p-p(Amp)max.         |               |      |      |      |      | I p-p(Amp)max.         |               |      |      |      |      | I p-p(Amp)max.         |               |      |      |      |      | I p-p(Amp)max.         |               |      |      |      |      |
| 0.0010      | 900                    | 2.3           | 2.8  | 3.5  | 4.7  | 7.1  | 900                    | 2.6           | 3.2  | 4.0  | 5.3  | 7.9  | 900                    | 2.7           | 3.3  | 4.1  | 5.4  | 8.2  | 900                    | 3.0           | 3.6  | 4.5  | 6.0  | 9.0  |
| 0.0012      | 900                    | 2.5           | 3.1  | 3.8  | 5.1  | 7.6  | 900                    | 2.9           | 3.4  | 4.3  | 5.7  | 8.6  | 900                    | 3.0           | 3.5  | 4.5  | 5.9  | 8.8  | 900                    | 3.3           | 3.9  | 4.8  | 6.5  | 9.8  |
| 0.0015      | 900                    | 2.8           | 3.3  | 4.2  | 5.6  | 8.4  | 900                    | 3.2           | 3.7  | 4.7  | 6.2  | 9.4  | 900                    | 3.3           | 3.9  | 4.8  | 6.4  | 9.7  | 900                    | 3.5           | 4.3  | 5.4  | 7.2  | 10.7 |
| 0.0018      | 900                    | 3.0           | 3.6  | 4.7  | 6.1  | 9.3  | 900                    | 3.3           | 4.0  | 5.2  | 6.9  | 10.3 | 900                    | 3.5           | 4.3  | 5.3  | 7.2  | 10.7 | 900                    | 3.9           | 4.7  | 5.9  | 7.9  | 11.8 |
| 0.0022      | 900                    | 3.3           | 4.0  | 5.0  | 6.7  | 10.0 | 900                    | 3.7           | 4.5  | 5.6  | 7.4  | 11.2 | 900                    | 3.8           | 4.7  | 5.8  | 7.7  | 11.5 | 900                    | 4.3           | 5.1  | 6.4  | 8.5  | 12.7 |
| 0.0027      | 900                    | 3.6           | 4.4  | 5.4  | 7.3  | 10.9 | 900                    | 4.1           | 4.8  | 6.0  | 8.1  | 12.1 | 900                    | 4.2           | 5.0  | 6.2  | 8.4  | 12.5 | 900                    | 4.7           | 5.5  | 6.9  | 9.1  | 13.8 |
| 0.0033      | 900                    | 4.0           | 4.7  | 6.0  | 7.9  | 11.9 | 900                    | 4.5           | 5.3  | 6.6  | 8.8  | 13.3 | 900                    | 4.6           | 5.4  | 6.8  | 9.0  | 13.6 | 900                    | 5.0           | 6.0  | 7.5  | 10.0 | 15.0 |
| 0.0036      | 900                    | 4.2           | 4.9  | 6.2  | 8.3  | 12.6 | 900                    | 4.7           | 5.6  | 6.9  | 9.3  | 13.9 | 900                    | 4.7           | 5.7  | 7.1  | 9.4  | 14.1 | 900                    | 5.2           | 6.3  | 7.9  | 10.5 | 15.5 |
| 0.0039      | 900                    | 4.3           | 5.1  | 6.4  | 8.6  | 12.9 | 900                    | 4.8           | 5.8  | 7.2  | 9.6  | 14.3 | 900                    | 4.9           | 6.0  | 7.3  | 9.8  | 14.7 | 900                    | 5.4           | 6.6  | 8.2  | 11.0 | 16.2 |
| 0.0043      | 900                    | 4.4           | 5.3  | 6.6  | 8.9  | 13.3 | 900                    | 5.0           | 6.0  | 7.4  | 9.9  | 14.8 | 900                    | 5.1           | 6.1  | 7.6  | 10.1 | 15.3 | 900                    | 5.6           | 6.8  | 8.5  | 11.3 | 16.8 |
| 0.0047      | 900                    | 4.6           | 5.5  | 6.9  | 9.2  | 13.7 | 900                    | 5.2           | 6.1  | 7.7  | 10.2 | 15.3 | 900                    | 5.3           | 6.3  | 7.9  | 10.5 | 15.8 | 900                    | 5.9           | 7.0  | 8.7  | 11.7 | 17.5 |
| 0.0051      | 900                    | 4.7           | 5.8  | 7.2  | 9.6  | 14.2 | 900                    | 5.4           | 6.4  | 8.0  | 10.7 | 16.0 | 900                    | 5.5           | 6.6  | 8.2  | 11.0 | 16.6 | 900                    | 6.0           | 7.3  | 9.0  | 12.1 | 18.0 |
| 0.0056      | 900                    | 4.9           | 6.0  | 7.4  | 10.0 | 14.9 | 900                    | 5.6           | 6.7  | 8.4  | 11.1 | 16.6 | 900                    | 5.7           | 6.9  | 8.5  | 11.4 | 17.1 | 800                    | 6.2           | 7.5  | 9.4  | 12.6 | 18.7 |
| 0.0062      | 900                    | 5.2           | 6.2  | 7.7  | 10.3 | 15.5 | 900                    | 5.8           | 7.0  | 8.6  | 11.5 | 17.2 | 900                    | 5.9           | 7.2  | 8.8  | 11.9 | 17.7 | 800                    | 6.5           | 7.8  | 9.8  | 13.0 | 19.3 |
| 0.0068      | 900                    | 5.4           | 6.5  | 8.1  | 10.8 | 16.3 | 900                    | 6.0           | 7.3  | 9.0  | 12.1 | 18.0 | 800                    | 6.1           | 7.4  | 9.2  | 12.4 | 18.9 | 800                    | 6.8           | 8.2  | 10.2 | 13.6 | 20.3 |
| 0.0075      | 900                    | 5.6           | 6.8  | 8.5  | 11.3 | 16.7 | 800                    | 6.3           | 7.5  | 9.4  | 12.6 | 18.8 | 800                    | 6.4           | 7.7  | 9.6  | 12.8 | 19.3 | 800                    | 7.1           | 8.6  | 10.7 | 14.2 | 21.3 |
| 0.0082      | 800                    | 5.9           | 7.1  | 8.8  | 11.7 | 17.6 | 800                    | 6.6           | 7.9  | 9.9  | 13.1 | 19.6 | 800                    | 6.8           | 8.1  | 10.0 | 13.4 | 20.3 | 800                    | 7.4           | 8.9  | 11.2 | 14.9 | 22.3 |
| 0.0091      | 800                    | 6.1           | 7.3  | 9.2  | 12.2 | 18.3 | 800                    | 6.9           | 8.2  | 10.3 | 13.7 | 20.5 | 800                    | 7.1           | 8.5  | 10.5 | 14.0 | 21.1 | 800                    | 7.8           | 9.3  | 11.6 | 15.5 | 23.3 |
| 0.010       | 800                    | 6.4           | 7.8  | 9.7  | 12.9 | 19.3 | 800                    | 7.3           | 8.6  | 10.8 | 14.4 | 21.7 | 800                    | 7.3           | 8.8  | 11.1 | 14.8 | 22.1 | 700                    | 8.2           | 9.8  | 12.3 | 16.4 | 24.5 |
| 0.012       | 800                    | 7.1           | 8.5  | 10.6 | 14.1 | 21.1 | 800                    | 7.9           | 9.5  | 11.8 | 15.8 | 23.6 | 700                    | 8.1           | 9.8  | 12.2 | 16.3 | 24.4 | 700                    | 8.9           | 10.8 | 13.5 | 17.9 | 26.9 |
| 0.015       | 800                    | 7.9           | 9.5  | 11.9 | 15.8 | 23.7 | 700                    | 8.7           | 10.5 | 13.1 | 17.5 | 26.3 | 700                    | 9.0           | 10.8 | 13.6 | 18.0 | 27.1 | 700                    | 10.0          | 12.0 | 15.0 | 19.9 | 29.9 |
| 0.018       | 700                    | 8.8           | 10.6 | 13.3 | 17.7 | 26.5 | 700                    | 9.4           | 11.3 | 14.0 | 18.8 | 28.2 | 700                    | 9.8           | 11.7 | 14.6 | 19.5 | 29.3 | 700                    | 10.7          | 12.8 | 16.0 | 21.4 | 32.1 |
| 0.022       | 700                    | 9.9           | 11.8 | 14.8 | 19.6 | 29.5 | 700                    | 10.4          | 12.5 | 15.5 | 20.7 | 31.2 | 700                    | 10.8          | 12.9 | 16.2 | 21.6 | 32.4 | 600                    | 11.7          | 14.0 | 17.6 | 23.4 | 35.2 |

# Permissible Pulse Current VS Frequency & Duty Tables

CBB81(PPS)

容许脉冲电流值 VS 频率与负载对照表

1200VDC

| CAP<br>(uF)    | 31.00 KHz              |               |     |      |      |                | 37.00 KHz              |               |     |      |      |                | 48.00 KHz              |               |      |      |      |                | 56.00 KHz              |               |      |      |      |      |
|----------------|------------------------|---------------|-----|------|------|----------------|------------------------|---------------|-----|------|------|----------------|------------------------|---------------|------|------|------|----------------|------------------------|---------------|------|------|------|------|
|                | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |     |      |      |                | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |     |      |      |                | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |                | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |      |
|                |                        | 9.7           | 8.1 | 6.5  | 4.8  | 3.2            |                        | 8.1           | 6.8 | 5.4  | 4.1  | 2.7            |                        | 6.3           | 5.2  | 4.2  | 3.1  | 2.1            |                        | 5.4           | 4.5  | 3.6  | 2.7  | 1.8  |
|                |                        | Duty (%)      |     |      |      |                |                        | Duty (%)      |     |      |      |                |                        | Duty (%)      |      |      |      |                |                        | Duty (%)      |      |      |      |      |
|                |                        | 30            | 25  | 20   | 15   | 10             |                        | 30            | 25  | 20   | 15   | 10             |                        | 30            | 25   | 20   | 15   | 10             |                        | 30            | 25   | 20   | 15   | 10   |
| I p-p(Amp)max. |                        |               |     |      |      | I p-p(Amp)max. |                        |               |     |      |      | I p-p(Amp)max. |                        |               |      |      |      | I p-p(Amp)max. |                        |               |      |      |      |      |
| 0.0010         | 1000                   | 1.7           | 2.0 | 2.5  | 3.3  | 5.0            | 1000                   | 1.9           | 2.2 | 2.7  | 3.6  | 5.5            | 1000                   | 2.0           | 2.5  | 3.1  | 4.2  | 6.2            | 1000                   | 2.3           | 2.8  | 3.4  | 4.7  | 6.9  |
| 0.0012         | 1000                   | 1.9           | 2.2 | 2.8  | 3.7  | 5.6            | 1000                   | 2.0           | 2.5 | 3.1  | 4.1  | 6.1            | 1000                   | 2.4           | 2.9  | 3.6  | 4.8  | 7.3            | 1000                   | 2.6           | 3.1  | 3.9  | 5.2  | 7.8  |
| 0.0015         | 1000                   | 2.0           | 2.5 | 3.1  | 4.1  | 6.1            | 1000                   | 2.2           | 2.7 | 3.3  | 4.5  | 6.8            | 1000                   | 2.7           | 3.2  | 4.0  | 5.3  | 8.0            | 1000                   | 2.9           | 3.4  | 4.3  | 5.7  | 8.6  |
| 0.0018         | 1000                   | 2.2           | 2.7 | 3.3  | 4.5  | 6.8            | 1000                   | 2.4           | 3.0 | 3.7  | 4.9  | 7.3            | 1000                   | 2.9           | 3.4  | 4.4  | 5.9  | 8.7            | 1000                   | 3.2           | 3.7  | 4.7  | 6.2  | 9.4  |
| 0.0022         | 1000                   | 2.4           | 2.9 | 3.7  | 4.9  | 7.4            | 1000                   | 2.7           | 3.2 | 4.1  | 5.3  | 8.0            | 1000                   | 3.2           | 3.8  | 4.7  | 6.3  | 9.5            | 1000                   | 3.3           | 4.1  | 5.1  | 6.8  | 10.1 |
| 0.0027         | 1000                   | 2.7           | 3.3 | 4.1  | 5.5  | 8.2            | 1000                   | 3.0           | 3.5 | 4.5  | 5.9  | 8.8            | 1000                   | 3.4           | 4.2  | 5.1  | 6.9  | 10.2           | 1000                   | 3.6           | 4.5  | 5.5  | 7.3  | 11.1 |
| 0.0033         | 1000                   | 3.0           | 3.6 | 4.6  | 6.0  | 9.0            | 1000                   | 3.3           | 3.9 | 4.9  | 6.6  | 10.0           | 1000                   | 3.8           | 4.6  | 5.7  | 7.6  | 11.4           | 1000                   | 4.1           | 4.8  | 6.0  | 8.1  | 12.2 |
| 0.0036         | 1000                   | 3.2           | 3.7 | 4.7  | 6.2  | 9.4            | 1000                   | 3.4           | 4.1 | 5.1  | 6.8  | 10.2           | 1000                   | 4.0           | 4.7  | 6.0  | 7.9  | 11.9           | 1000                   | 4.3           | 5.1  | 6.3  | 8.5  | 12.7 |
| 0.0039         | 1000                   | 3.3           | 4.0 | 4.9  | 6.6  | 9.9            | 1000                   | 3.5           | 4.3 | 5.3  | 7.2  | 10.8           | 1000                   | 4.2           | 5.0  | 6.2  | 8.4  | 12.6           | 1000                   | 4.5           | 5.4  | 6.7  | 8.9  | 13.4 |
| 0.0043         | 1000                   | 3.3           | 4.1 | 5.0  | 6.8  | 10.1           | 1000                   | 3.6           | 4.4 | 5.5  | 7.3  | 11.1           | 1000                   | 4.3           | 5.1  | 6.4  | 8.6  | 12.8           | 1000                   | 4.6           | 5.5  | 6.9  | 9.1  | 13.8 |
| 0.0047         | 1000                   | 3.4           | 4.2 | 5.1  | 6.8  | 10.2           | 1000                   | 3.7           | 4.5 | 5.6  | 7.4  | 11.3           | 1000                   | 4.4           | 5.2  | 6.5  | 8.6  | 13.0           | 1000                   | 4.7           | 5.6  | 7.0  | 9.3  | 14.0 |
| 0.0051         | 1000                   | 3.5           | 4.3 | 5.3  | 7.1  | 10.6           | 1000                   | 3.9           | 4.7 | 5.8  | 7.7  | 11.6           | 1000                   | 4.5           | 5.4  | 6.7  | 8.9  | 13.5           | 1000                   | 4.8           | 5.8  | 7.2  | 9.6  | 14.4 |
| 0.0056         | 1000                   | 3.7           | 4.4 | 5.5  | 7.3  | 11.1           | 1000                   | 4.0           | 4.8 | 6.0  | 8.1  | 12.1           | 1000                   | 4.7           | 5.6  | 7.0  | 9.3  | 14.0           | 1000                   | 5.0           | 6.0  | 7.4  | 10.0 | 15.0 |
| 0.0062         | 1000                   | 3.8           | 4.7 | 5.8  | 7.7  | 11.5           | 1000                   | 4.2           | 5.0 | 6.3  | 8.4  | 12.6           | 1000                   | 4.8           | 5.9  | 7.3  | 9.7  | 14.6           | 1000                   | 5.2           | 6.2  | 7.8  | 10.4 | 15.6 |
| 0.0068         | 1000                   | 4.0           | 4.8 | 6.0  | 8.0  | 12.1           | 1000                   | 4.4           | 5.2 | 6.5  | 8.7  | 13.1           | 1000                   | 5.0           | 6.0  | 7.5  | 10.0 | 15.2           | 1000                   | 5.4           | 6.5  | 8.1  | 10.8 | 16.2 |
| 0.0075         | 1000                   | 4.3           | 5.1 | 6.4  | 8.6  | 12.7           | 1000                   | 4.6           | 5.5 | 6.8  | 9.1  | 13.6           | 1000                   | 5.2           | 6.3  | 7.9  | 10.5 | 15.7           | 1000                   | 5.6           | 6.7  | 8.5  | 11.3 | 16.8 |
| 0.0082         | 1000                   | 4.5           | 5.4 | 6.8  | 9.0  | 13.5           | 1000                   | 4.8           | 5.8 | 7.2  | 9.6  | 14.4           | 1000                   | 5.6           | 6.7  | 8.4  | 11.1 | 16.6           | 1000                   | 6.0           | 7.2  | 8.9  | 11.9 | 17.9 |
| 0.0091         | 1000                   | 4.7           | 5.6 | 7.0  | 9.3  | 14.0           | 1000                   | 5.0           | 6.0 | 7.5  | 10.0 | 15.0           | 1000                   | 5.8           | 7.0  | 8.6  | 11.5 | 17.4           | 900                    | 6.2           | 7.4  | 9.3  | 12.4 | 18.6 |
| 0.010          | 1000                   | 4.8           | 5.9 | 7.3  | 9.7  | 14.5           | 1000                   | 5.3           | 6.3 | 7.9  | 10.6 | 15.9           | 900                    | 6.1           | 7.3  | 9.2  | 12.3 | 18.4           | 900                    | 6.5           | 7.9  | 9.9  | 13.1 | 19.6 |
| 0.012          | 1000                   | 5.6           | 6.7 | 8.3  | 11.1 | 16.6           | 1000                   | 6.0           | 7.2 | 8.9  | 11.9 | 17.8           | 900                    | 6.8           | 8.1  | 10.1 | 13.5 | 20.3           | 900                    | 7.3           | 8.6  | 10.9 | 14.4 | 21.7 |
| 0.015          | 1000                   | 6.0           | 7.3 | 9.1  | 12.2 | 18.2           | 900                    | 6.5           | 7.8 | 9.8  | 13.0 | 19.6           | 900                    | 7.5           | 9.0  | 11.3 | 15.0 | 22.5           | 900                    | 8.0           | 9.6  | 12.0 | 16.0 | 24.1 |
| 0.018          | 1000                   | 6.8           | 8.2 | 10.2 | 13.6 | 20.4           | 900                    | 7.3           | 8.7 | 11.0 | 14.6 | 21.9           | 900                    | 8.4           | 10.0 | 12.6 | 16.7 | 25.2           | 900                    | 9.0           | 10.8 | 13.5 | 17.9 | 27.0 |
| 0.022          | 900                    | 7.5           | 9.0 | 11.3 | 15.1 | 22.6           | 900                    | 8.1           | 9.8 | 12.2 | 16.3 | 24.4           | 900                    | 9.3           | 11.2 | 14.0 | 18.6 | 28.0           | 800                    | 10.0          | 12.0 | 15.0 | 19.9 | 29.9 |

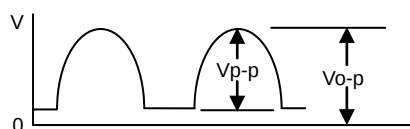
## ■ 测试条件

环境温度: +85°C ±5°C

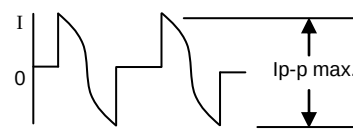
相对湿度: 65% -- 95%

上升温度 (ΔT): 8°C max.

## ■ 电压波形



## ■ 电流波形



| CAP<br>(uF) | 64.00 KHz              |               |      |      |      |      | 78.00KHz               |               |      |      |      |      | 82.00KHz               |               |      |      |      |      | 96.00KHz               |               |      |      |      |      |
|-------------|------------------------|---------------|------|------|------|------|------------------------|---------------|------|------|------|------|------------------------|---------------|------|------|------|------|------------------------|---------------|------|------|------|------|
|             | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |      | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |      | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |      | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |      |
|             |                        | 4.7           | 3.9  | 3.5  | 2.3  | 1.6  |                        | 3.9           | 3.2  | 2.6  | 1.9  | 1.3  |                        | 3.7           | 3.1  | 2.4  | 1.8  | 1.2  |                        | 3.1           | 2.6  | 2.1  | 1.6  | 1.0  |
|             |                        | Duty (%)      |      |      |      |      |                        | Duty (%)      |      |      |      |      |                        | Duty (%)      |      |      |      |      |                        | Duty (%)      |      |      |      |      |
|             |                        | 30            | 25   | 20   | 15   | 10   |                        | 30            | 25   | 20   | 15   | 10   |                        | 30            | 25   | 20   | 15   | 10   |                        | 30            | 25   | 20   | 15   | 10   |
|             | I p-p(Amp)max.         |               |      |      |      |      | I p-p(Amp)max.         |               |      |      |      |      | I p-p(Amp)max.         |               |      |      |      |      | I p-p(Amp)max.         |               |      |      |      |      |
| 0.0010      | 1000                   | 2.5           | 3.0  | 3.7  | 5.0  | 7.5  | 1000                   | 2.8           | 3.3  | 4.2  | 5.6  | 8.5  | 1000                   | 2.9           | 3.4  | 4.4  | 5.8  | 8.6  | 1000                   | 3.2           | 3.8  | 4.8  | 6.4  | 9.6  |
| 0.0012      | 1000                   | 2.7           | 3.3  | 4.1  | 5.4  | 8.2  | 1000                   | 3.1           | 3.6  | 4.6  | 6.0  | 9.1  | 1000                   | 3.2           | 3.7  | 4.7  | 6.2  | 9.4  | 1000                   | 3.4           | 4.2  | 5.2  | 6.9  | 10.4 |
| 0.0015      | 1000                   | 3.0           | 3.5  | 4.5  | 6.0  | 8.9  | 1000                   | 3.3           | 4.0  | 5.0  | 6.7  | 10.0 | 1000                   | 3.4           | 4.1  | 5.1  | 6.9  | 10.3 | 1000                   | 3.8           | 4.5  | 5.7  | 7.6  | 11.3 |
| 0.0018      | 1000                   | 3.3           | 3.9  | 4.9  | 6.6  | 9.9  | 1000                   | 3.7           | 4.4  | 5.5  | 7.3  | 11.1 | 1000                   | 3.8           | 4.6  | 5.7  | 7.5  | 11.3 | 1000                   | 4.2           | 5.0  | 6.2  | 8.4  | 12.6 |
| 0.0022      | 1000                   | 3.5           | 4.3  | 5.3  | 7.1  | 10.6 | 1000                   | 4.0           | 4.7  | 6.0  | 7.9  | 11.9 | 1000                   | 4.1           | 4.9  | 6.1  | 8.2  | 12.3 | 1000                   | 4.6           | 5.4  | 6.8  | 9.0  | 13.5 |
| 0.0027      | 1000                   | 3.8           | 4.7  | 5.8  | 7.7  | 11.5 | 1000                   | 4.3           | 5.1  | 6.4  | 8.6  | 12.9 | 1000                   | 4.5           | 5.3  | 6.7  | 8.8  | 13.3 | 1000                   | 4.9           | 5.9  | 7.3  | 9.8  | 14.7 |
| 0.0033      | 1000                   | 4.2           | 5.1  | 6.3  | 8.5  | 12.6 | 1000                   | 4.7           | 5.7  | 7.1  | 9.5  | 14.1 | 1000                   | 4.8           | 5.8  | 7.3  | 9.8  | 14.5 | 1000                   | 5.3           | 6.4  | 8.0  | 10.7 | 16.0 |
| 0.0036      | 1000                   | 4.5           | 5.3  | 6.7  | 8.8  | 13.3 | 1000                   | 4.9           | 6.0  | 7.4  | 10.0 | 14.9 | 1000                   | 5.1           | 6.1  | 7.6  | 10.2 | 15.3 | 1000                   | 5.7           | 6.8  | 8.5  | 11.3 | 16.9 |
| 0.0039      | 1000                   | 4.7           | 5.7  | 7.1  | 9.4  | 14.0 | 1000                   | 5.1           | 6.3  | 7.9  | 10.5 | 15.7 | 1000                   | 5.4           | 6.5  | 8.1  | 10.8 | 16.2 | 1000                   | 6.0           | 7.2  | 8.9  | 11.9 | 17.9 |
| 0.0043      | 1000                   | 4.8           | 5.8  | 7.2  | 9.6  | 14.4 | 1000                   | 5.3           | 6.4  | 8.1  | 10.7 | 16.1 | 1000                   | 5.5           | 6.6  | 8.3  | 11.1 | 16.6 | 1000                   | 6.1           | 7.3  | 9.2  | 12.2 | 18.3 |
| 0.0047      | 1000                   | 4.9           | 5.9  | 7.3  | 9.8  | 14.6 | 1000                   | 5.5           | 6.5  | 8.2  | 10.9 | 16.3 | 1000                   | 5.6           | 6.7  | 8.4  | 11.2 | 16.8 | 1000                   | 6.2           | 7.4  | 9.3  | 12.4 | 18.6 |
| 0.0051      | 1000                   | 5.0           | 6.0  | 7.5  | 10.0 | 15.1 | 1000                   | 5.7           | 6.8  | 8.5  | 11.3 | 16.9 | 1000                   | 5.8           | 7.0  | 8.7  | 11.6 | 17.4 | 1000                   | 6.3           | 7.7  | 9.6  | 12.8 | 19.3 |
| 0.0056      | 1000                   | 5.2           | 6.3  | 7.8  | 10.5 | 15.7 | 1000                   | 5.9           | 7.0  | 8.7  | 11.7 | 17.6 | 1000                   | 6.0           | 7.3  | 9.0  | 12.1 | 18.1 | 900                    | 6.7           | 8.0  | 10.0 | 13.3 | 20.0 |
| 0.0062      | 1000                   | 5.5           | 6.5  | 8.2  | 10.9 | 16.4 | 1000                   | 6.1           | 7.3  | 9.1  | 12.2 | 18.3 | 1000                   | 6.2           | 7.4  | 9.3  | 12.5 | 18.7 | 900                    | 6.9           | 8.3  | 10.3 | 13.8 | 20.6 |
| 0.0068      | 1000                   | 5.7           | 6.8  | 8.5  | 11.3 | 17.0 | 1000                   | 6.3           | 7.6  | 9.5  | 12.6 | 19.0 | 900                    | 6.4           | 7.7  | 9.7  | 12.9 | 19.3 | 900                    | 7.2           | 8.6  | 10.7 | 14.2 | 21.4 |
| 0.0075      | 1000                   | 5.9           | 7.1  | 8.8  | 11.8 | 17.7 | 900                    | 6.6           | 7.9  | 9.9  | 13.1 | 19.7 | 900                    | 6.8           | 8.1  | 10.1 | 13.6 | 20.4 | 900                    | 7.5           | 9.0  | 11.3 | 15.0 | 22.5 |
| 0.0082      | 900                    | 6.2           | 7.4  | 9.4  | 12.5 | 18.7 | 900                    | 7.0           | 8.4  | 10.4 | 14.0 | 20.9 | 900                    | 7.2           | 8.6  | 10.8 | 14.4 | 21.6 | 900                    | 7.9           | 9.5  | 11.9 | 15.9 | 23.8 |
| 0.0091      | 900                    | 6.5           | 7.8  | 9.8  | 13.0 | 19.4 | 900                    | 7.3           | 8.7  | 10.9 | 14.5 | 21.8 | 900                    | 7.4           | 9.0  | 11.3 | 15.0 | 22.4 | 800                    | 8.3           | 10.0 | 12.4 | 16.6 | 24.8 |
| 0.010       | 900                    | 6.9           | 8.3  | 10.3 | 13.8 | 20.6 | 900                    | 7.7           | 9.2  | 11.5 | 15.3 | 23.1 | 900                    | 7.9           | 9.4  | 11.8 | 15.7 | 23.6 | 800                    | 8.6           | 10.4 | 13.0 | 17.4 | 26.0 |
| 0.012       | 900                    | 7.6           | 9.1  | 11.3 | 15.2 | 22.8 | 900                    | 8.5           | 10.1 | 12.7 | 16.9 | 25.4 | 800                    | 8.7           | 10.5 | 13.1 | 17.5 | 26.2 | 800                    | 9.7           | 11.5 | 14.5 | 19.3 | 28.9 |
| 0.015       | 900                    | 8.4           | 10.1 | 12.6 | 16.8 | 25.2 | 800                    | 9.3           | 11.2 | 14.0 | 18.6 | 28.0 | 800                    | 9.6           | 11.5 | 14.4 | 19.3 | 28.8 | 800                    | 10.6          | 12.7 | 15.9 | 21.2 | 31.8 |
| 0.018       | 800                    | 9.4           | 11.3 | 14.1 | 18.8 | 28.3 | 800                    | 10.0          | 12.0 | 15.0 | 20.0 | 29.9 | 800                    | 10.4          | 12.5 | 15.6 | 20.7 | 31.2 | 800                    | 11.3          | 13.7 | 17.0 | 22.7 | 34.1 |
| 0.022       | 800                    | 10.4          | 12.6 | 15.7 | 20.9 | 31.3 | 800                    | 11.1          | 13.2 | 16.6 | 22.0 | 33.1 | 800                    | 11.5          | 13.8 | 17.2 | 23.0 | 34.5 | 700                    | 12.5          | 15.0 | 18.7 | 24.9 | 37.4 |

# Permissible Pulse Current VS Frequency & Duty Tables

CBB81(PPS)

容许脉冲电流值 VS 频率与负载对照表

1600VDC

| CAP<br>(uF)    | 31.00 KHz              |               |      |      |      |                | 37.00 KHz              |               |      |      |      |                | 48.00 KHz              |               |      |      |      |                | 56.00 KHz              |               |      |      |      |      |
|----------------|------------------------|---------------|------|------|------|----------------|------------------------|---------------|------|------|------|----------------|------------------------|---------------|------|------|------|----------------|------------------------|---------------|------|------|------|------|
|                | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |                | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |                | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |                | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |      |
|                |                        | 9.7           | 8.1  | 6.5  | 4.8  | 3.2            |                        | 8.1           | 6.8  | 5.4  | 4.1  | 2.7            |                        | 6.3           | 5.2  | 4.2  | 3.1  | 2.1            |                        | 5.4           | 4.5  | 3.6  | 2.7  | 1.8  |
|                |                        | Duty (%)      |      |      |      |                |                        | Duty (%)      |      |      |      |                |                        | Duty (%)      |      |      |      |                |                        | Duty (%)      |      |      |      |      |
|                |                        | 30            | 25   | 20   | 15   | 10             |                        | 30            | 25   | 20   | 15   | 10             |                        | 30            | 25   | 20   | 15   | 10             |                        | 30            | 25   | 20   | 15   | 10   |
| I p-p(Amp)max. |                        |               |      |      |      | I p-p(Amp)max. |                        |               |      |      |      | I p-p(Amp)max. |                        |               |      |      |      | I p-p(Amp)max. |                        |               |      |      |      |      |
| 0.0010         | 1500                   | 1.8           | 2.1  | 2.7  | 3.6  | 5.4            | 1500                   | 2.0           | 2.4  | 3.0  | 4.0  | 6.0            | 1500                   | 2.2           | 2.7  | 3.3  | 4.6  | 6.8            | 1500                   | 2.5           | 3.0  | 3.7  | 5.0  | 7.5  |
| 0.0012         | 1500                   | 2.0           | 2.4  | 3.1  | 4.1  | 6.1            | 1500                   | 2.2           | 2.7  | 3.3  | 4.5  | 6.7            | 1500                   | 2.6           | 3.2  | 4.0  | 5.3  | 7.9            | 1500                   | 2.8           | 3.4  | 4.3  | 5.7  | 8.5  |
| 0.0015         | 1500                   | 2.2           | 2.7  | 3.3  | 4.5  | 6.8            | 1500                   | 2.5           | 3.0  | 3.7  | 4.9  | 7.4            | 1500                   | 2.9           | 3.5  | 4.4  | 5.9  | 8.7            | 1500                   | 3.1           | 3.7  | 4.7  | 6.2  | 9.3  |
| 0.0018         | 1500                   | 2.5           | 3.0  | 3.7  | 4.9  | 7.4            | 1500                   | 2.7           | 3.3  | 4.1  | 5.4  | 8.1            | 1500                   | 3.3           | 3.8  | 4.8  | 6.4  | 9.7            | 1500                   | 3.4           | 4.1  | 5.1  | 6.9  | 10.3 |
| 0.0022         | 1500                   | 2.7           | 3.3  | 4.1  | 5.5  | 8.2            | 1500                   | 3.0           | 3.5  | 4.4  | 6.0  | 8.8            | 1500                   | 3.4           | 4.2  | 5.2  | 7.0  | 10.4           | 1500                   | 3.6           | 4.5  | 5.6  | 7.4  | 11.2 |
| 0.0027         | 1500                   | 3.0           | 3.6  | 4.5  | 6.0  | 9.0            | 1500                   | 3.3           | 3.9  | 4.9  | 6.5  | 9.8            | 1500                   | 3.8           | 4.6  | 5.7  | 7.5  | 11.3           | 1500                   | 4.0           | 4.8  | 6.0  | 8.1  | 12.1 |
| 0.0033         | 1500                   | 3.3           | 4.0  | 5.0  | 6.7  | 10.0           | 1500                   | 3.6           | 4.4  | 5.5  | 7.3  | 11.0           | 1500                   | 4.2           | 5.0  | 6.3  | 8.4  | 12.6           | 1500                   | 4.5           | 5.4  | 6.7  | 8.9  | 13.4 |
| 0.0036         | 1500                   | 3.4           | 4.2  | 5.2  | 6.9  | 10.3           | 1500                   | 3.8           | 4.6  | 5.7  | 7.5  | 11.3           | 1500                   | 4.4           | 5.3  | 6.6  | 8.7  | 13.1           | 1500                   | 4.7           | 5.7  | 7.1  | 9.4  | 14.0 |
| 0.0039         | 1500                   | 3.6           | 4.4  | 5.5  | 7.3  | 11.0           | 1500                   | 4.0           | 4.8  | 6.0  | 8.0  | 12.0           | 1500                   | 4.7           | 5.6  | 7.0  | 9.3  | 14.0           | 1500                   | 4.9           | 6.0  | 7.4  | 10.0 | 14.9 |
| 0.0043         | 1500                   | 3.8           | 4.6  | 5.8  | 7.6  | 11.5           | 1500                   | 4.2           | 5.0  | 6.3  | 8.4  | 12.6           | 1500                   | 4.8           | 5.9  | 7.3  | 9.8  | 14.6           | 1500                   | 5.2           | 6.2  | 7.8  | 10.4 | 15.6 |
| 0.0047         | 1500                   | 4.0           | 4.7  | 6.0  | 7.9  | 11.9           | 1500                   | 4.4           | 5.2  | 6.5  | 8.6  | 13.0           | 1500                   | 5.0           | 6.0  | 7.5  | 10.0 | 15.1           | 1500                   | 5.4           | 6.5  | 8.1  | 10.8 | 16.2 |
| 0.0051         | 1500                   | 4.2           | 5.0  | 6.3  | 8.5  | 12.6           | 1500                   | 4.7           | 5.5  | 6.9  | 9.2  | 13.9           | 1500                   | 5.3           | 6.4  | 8.0  | 10.7 | 16.0           | 1400                   | 5.7           | 6.9  | 8.6  | 11.4 | 17.1 |
| 0.0056         | 1500                   | 4.5           | 5.4  | 6.7  | 8.9  | 13.5           | 1500                   | 4.9           | 5.9  | 7.3  | 9.9  | 14.7           | 1500                   | 5.7           | 6.8  | 8.6  | 11.3 | 17.0           | 1400                   | 6.0           | 7.3  | 9.1  | 12.2 | 18.2 |
| 0.0062         | 1500                   | 4.7           | 5.7  | 7.1  | 9.5  | 14.1           | 1500                   | 5.1           | 6.1  | 7.7  | 10.3 | 15.4           | 1500                   | 6.0           | 7.2  | 8.9  | 11.9 | 17.9           | 1400                   | 6.4           | 7.6  | 9.6  | 12.7 | 19.2 |
| 0.0068         | 1500                   | 4.9           | 6.0  | 7.4  | 10.0 | 14.9           | 1500                   | 5.4           | 6.5  | 8.1  | 10.8 | 16.2           | 1400                   | 6.2           | 7.4  | 9.3  | 12.5 | 18.7           | 1300                   | 6.7           | 8.0  | 10.0 | 13.3 | 20.0 |
| 0.0075         | 1500                   | 5.3           | 6.4  | 8.0  | 10.6 | 16.0           | 1500                   | 5.7           | 6.8  | 8.6  | 11.3 | 17.0           | 1400                   | 6.5           | 7.9  | 9.9  | 13.1 | 19.6           | 1300                   | 7.0           | 8.5  | 10.5 | 14.0 | 21.0 |
| 0.0082         | 1500                   | 5.6           | 6.8  | 8.5  | 11.3 | 16.8           | 1400                   | 6.0           | 7.2  | 9.0  | 12.0 | 17.9           | 1400                   | 7.0           | 8.4  | 10.4 | 13.9 | 20.8           | 1300                   | 7.4           | 8.9  | 11.2 | 14.9 | 22.3 |
| 0.0091         | 1500                   | 5.9           | 7.0  | 8.7  | 11.6 | 17.5           | 1400                   | 6.2           | 7.5  | 9.4  | 12.6 | 18.8           | 1300                   | 7.3           | 8.7  | 10.9 | 14.5 | 21.8           | 1200                   | 7.7           | 9.3  | 11.6 | 15.5 | 23.3 |
| 0.010          | 1400                   | 6.1           | 7.3  | 9.1  | 12.2 | 18.3           | 1400                   | 6.6           | 8.0  | 10.0 | 13.3 | 19.9           | 1300                   | 7.7           | 9.2  | 11.5 | 15.3 | 23.1           | 1200                   | 8.3           | 9.9  | 12.4 | 16.5 | 24.7 |
| 0.012          | 1400                   | 7.0           | 8.4  | 10.5 | 14.0 | 20.9           | 1300                   | 7.4           | 8.9  | 11.3 | 15.0 | 22.4           | 1200                   | 8.5           | 10.2 | 12.7 | 17.0 | 25.5           | 1100                   | 9.1           | 10.9 | 13.7 | 18.2 | 27.3 |
| 0.015          | 1400                   | 7.6           | 9.2  | 11.5 | 15.3 | 23.0           | 1300                   | 8.3           | 9.9  | 12.4 | 16.5 | 24.7           | 1200                   | 9.5           | 11.3 | 14.2 | 18.9 | 28.4           | 1100                   | 10.1          | 12.2 | 15.2 | 20.3 | 30.4 |
| 0.018          | 1300                   | 8.8           | 10.3 | 12.9 | 17.2 | 25.9           | 1200                   | 9.2           | 11.1 | 13.9 | 18.5 | 27.7           | 1100                   | 10.6          | 12.7 | 15.9 | 21.2 | 31.9           | 1000                   | 11.3          | 13.7 | 17.0 | 22.7 | 34.1 |
| 0.022          | 1300                   | 9.6           | 11.5 | 14.3 | 19.2 | 28.7           | 1200                   | 10.3          | 12.4 | 15.4 | 20.5 | 30.9           | 1000                   | 11.8          | 14.2 | 17.8 | 23.6 | 35.4           | 1000                   | 12.6          | 15.2 | 19.0 | 25.3 | 37.9 |

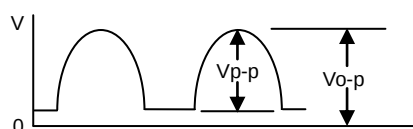
## ■ 测试条件

环境温度: +85℃ ±5℃

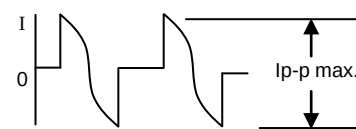
相对湿度: 65% — 95%

上升温度 (ΔT): 8℃ max.

## ■ 电压波形



## ■ 电流波形



| CAP<br>(uF)    | 64.00 KHz              |               |      |      |      |                | 78.00 KHz              |               |      |      |      |                | 82.00 KHz              |               |      |      |      |                | 96.00 KHz              |               |      |      |      |      |
|----------------|------------------------|---------------|------|------|------|----------------|------------------------|---------------|------|------|------|----------------|------------------------|---------------|------|------|------|----------------|------------------------|---------------|------|------|------|------|
|                | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |                | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |                | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |                | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |      |
|                |                        | 4.7           | 3.9  | 3.1  | 2.3  | 1.6            |                        | 3.9           | 3.2  | 2.6  | 1.9  | 1.3            |                        | 3.7           | 3.1  | 2.4  | 1.8  | 1.2            |                        | 3.1           | 2.6  | 2.1  | 1.6  | 1.0  |
|                |                        | Duty (%)      |      |      |      |                |                        | Duty (%)      |      |      |      |                |                        | Duty (%)      |      |      |      |                |                        | Duty (%)      |      |      |      |      |
|                |                        | 30            | 25   | 20   | 15   | 10             |                        | 30            | 25   | 20   | 15   | 10             |                        | 30            | 25   | 20   | 15   | 10             |                        | 30            | 25   | 20   | 15   | 10   |
| I p-p(Amp)max. |                        |               |      |      |      | I p-p(Amp)max. |                        |               |      |      |      | I p-p(Amp)max. |                        |               |      |      |      | I p-p(Amp)max. |                        |               |      |      |      |      |
| 0.0010         | 1500                   | 2.7           | 3.3  | 4.1  | 5.5  | 8.2            | 1500                   | 3.1           | 3.6  | 4.6  | 6.1  | 9.1            | 1500                   | 3.2           | 3.8  | 4.7  | 6.3  | 9.4            | 1500                   | 3.4           | 4.2  | 5.2  | 7.0  | 10.4 |
| 0.0012         | 1500                   | 3.0           | 3.5  | 4.5  | 6.0  | 8.9            | 1500                   | 3.3           | 4.0  | 5.0  | 6.6  | 10.0           | 1500                   | 3.4           | 4.1  | 5.1  | 6.9  | 10.2           | 1500                   | 3.8           | 4.6  | 5.7  | 7.5  | 11.3 |
| 0.0015         | 1500                   | 3.3           | 3.9  | 4.9  | 6.5  | 9.8            | 1500                   | 3.6           | 4.4  | 5.5  | 7.3  | 11.0           | 1500                   | 3.7           | 4.6  | 5.7  | 7.5  | 11.3           | 1500                   | 4.2           | 5.0  | 6.2  | 8.3  | 12.5 |
| 0.0018         | 1500                   | 3.6           | 4.4  | 5.4  | 7.3  | 10.8           | 1500                   | 4.0           | 4.8  | 6.0  | 8.1  | 12.1           | 1500                   | 4.2           | 5.0  | 6.2  | 8.3  | 12.5           | 1500                   | 4.6           | 5.5  | 6.9  | 9.2  | 13.8 |
| 0.0022         | 1500                   | 3.9           | 4.7  | 5.9  | 7.8  | 11.7           | 1500                   | 4.4           | 5.2  | 6.5  | 8.7  | 13.1           | 1500                   | 4.5           | 5.4  | 6.7  | 9.0  | 13.5           | 1500                   | 4.9           | 6.0  | 7.4  | 10.0 | 14.9 |
| 0.0027         | 1500                   | 4.3           | 5.1  | 6.3  | 8.5  | 12.7           | 1500                   | 4.7           | 5.7  | 7.1  | 9.5  | 14.2           | 1500                   | 4.9           | 5.9  | 7.3  | 9.8  | 14.7           | 1500                   | 5.4           | 6.5  | 8.1  | 10.8 | 16.2 |
| 0.0033         | 1500                   | 4.7           | 5.6  | 7.0  | 9.2  | 14.0           | 1500                   | 5.2           | 6.2  | 7.8  | 10.1 | 15.7           | 1500                   | 5.3           | 6.4  | 8.0  | 10.7 | 16.0           | 1400                   | 5.9           | 7.1  | 8.8  | 11.8 | 17.7 |
| 0.0036         | 1500                   | 4.9           | 5.9  | 7.3  | 9.9  | 14.8           | 1500                   | 5.5           | 6.6  | 8.3  | 11.0 | 16.5           | 1400                   | 5.7           | 6.8  | 8.5  | 11.3 | 17.0           | 1400                   | 6.2           | 7.5  | 9.4  | 12.6 | 18.8 |
| 0.0039         | 1500                   | 5.2           | 6.2  | 7.8  | 10.4 | 15.6           | 1400                   | 5.9           | 7.0  | 8.7  | 11.6 | 17.5           | 1400                   | 6.0           | 7.3  | 9.0  | 12.0 | 18.0           | 1300                   | 6.6           | 8.0  | 10.0 | 13.3 | 19.9 |
| 0.0043         | 1500                   | 5.5           | 6.5  | 8.2  | 10.9 | 16.4           | 1400                   | 6.1           | 7.3  | 9.1  | 12.2 | 18.3           | 1300                   | 6.3           | 7.5  | 9.4  | 12.6 | 18.9           | 1300                   | 7.0           | 8.4  | 10.4 | 13.9 | 20.8 |
| 0.0047         | 1400                   | 5.7           | 6.8  | 8.5  | 11.3 | 16.9           | 1400                   | 6.3           | 7.6  | 9.5  | 12.6 | 19.0           | 1300                   | 6.5           | 7.8  | 9.8  | 13.0 | 19.5           | 1200                   | 7.2           | 8.6  | 10.8 | 14.4 | 21.6 |
| 0.0051         | 1400                   | 6.0           | 7.2  | 9.0  | 12.0 | 17.9           | 1300                   | 6.7           | 8.0  | 10.0 | 13.4 | 20.1           | 1200                   | 6.9           | 8.3  | 10.3 | 13.8 | 20.7           | 1200                   | 7.6           | 9.1  | 11.4 | 15.3 | 22.9 |
| 0.0056         | 1300                   | 6.4           | 7.6  | 9.6  | 12.7 | 19.2           | 1200                   | 7.2           | 8.6  | 10.7 | 14.2 | 21.4           | 1200                   | 7.3           | 8.8  | 11.1 | 14.7 | 22.0           | 1100                   | 8.1           | 9.8  | 12.2 | 16.3 | 24.4 |
| 0.0062         | 1300                   | 6.7           | 8.0  | 10.0 | 13.4 | 20.1           | 1200                   | 7.4           | 9.0  | 11.3 | 15.0 | 22.4           | 1100                   | 7.6           | 9.2  | 11.4 | 15.3 | 22.9           | 1100                   | 8.5           | 10.1 | 12.6 | 16.8 | 25.3 |
| 0.0068         | 1200                   | 7.0           | 8.4  | 10.5 | 14.0 | 20.9           | 1100                   | 7.8           | 9.4  | 11.7 | 15.6 | 23.4           | 1100                   | 8.0           | 9.6  | 12.0 | 15.9 | 23.9           | 1000                   | 8.8           | 10.6 | 13.2 | 17.6 | 26.4 |
| 0.0075         | 1200                   | 7.3           | 8.8  | 11.1 | 14.7 | 22.0           | 1100                   | 7.8           | 9.9  | 12.4 | 16.5 | 24.6           | 1000                   | 8.5           | 10.1 | 12.7 | 16.9 | 25.4           | 1000                   | 9.4           | 11.3 | 14.0 | 18.7 | 28.1 |
| 0.0082         | 1100                   | 7.8           | 9.4  | 11.7 | 15.6 | 23.3           | 1000                   | 8.7           | 10.4 | 13.1 | 17.4 | 26.1           | 1000                   | 9.0           | 10.8 | 13.5 | 17.9 | 27.0           | 1000                   | 10.0          | 11.9 | 14.9 | 19.8 | 29.8 |
| 0.0091         | 1100                   | 8.1           | 9.8  | 12.2 | 16.3 | 24.4           | 1000                   | 9.1           | 10.9 | 13.7 | 18.2 | 27.2           | 900                    | 9.4           | 11.3 | 14.0 | 18.8 | 28.1           | 900                    | 10.3          | 12.5 | 15.5 | 20.7 | 31.1 |
| 0.010          | 1000                   | 8.6           | 10.3 | 12.9 | 17.3 | 25.9           | 900                    | 9.7           | 11.6 | 14.5 | 19.3 | 28.9           | 900                    | 9.9           | 11.8 | 14.8 | 19.7 | 29.7           | 900                    | 10.9          | 13.1 | 16.4 | 21.9 | 32.7 |
| 0.012          | 1000                   | 9.6           | 11.4 | 14.3 | 19.1 | 28.6           | 900                    | 10.7          | 12.8 | 16.3 | 21.4 | 32.0           | 900                    | 11.0          | 13.2 | 16.5 | 22.0 | 33.0           | 800                    | 12.2          | 14.6 | 18.2 | 24.3 | 36.5 |
| 0.015          | 900                    | 10.6          | 12.7 | 15.9 | 21.2 | 31.9           | 900                    | 11.8          | 14.1 | 17.7 | 23.5 | 35.3           | 800                    | 12.1          | 14.5 | 18.2 | 24.3 | 36.4           | 800                    | 13.4          | 16.1 | 20.1 | 26.8 | 40.2 |
| 0.018          | 900                    | 11.9          | 14.3 | 17.9 | 23.8 | 35.7           | 800                    | 12.5          | 15.2 | 19.0 | 25.3 | 37.9           | 800                    | 13.1          | 15.8 | 19.7 | 26.3 | 39.4           | 800                    | 14.4          | 17.3 | 21.6 | 29.4 | 43.2 |
| 0.022          | 900                    | 13.3          | 15.9 | 19.9 | 26.5 | 39.8           | 800                    | 14.0          | 16.8 | 21.0 | 28.0 | 42.0           | 800                    | 14.6          | 17.5 | 21.9 | 29.2 | 43.7           | 700                    | 15.8          | 19.0 | 23.7 | 31.6 | 47.4 |

# Permissible Pulse Current VS Frequency & Duty Tables

CBB81(PPS)

容许脉冲电流值 VS 频率与负载对照表

2000VDC

| CAP<br>(uF)    | 31.00KHz               |                 |      |      |      |                | 37.00KHz               |               |      |      |      |                | 48.00KHz               |               |      |      |      |                | 56.00KHz               |               |      |      |      |      |
|----------------|------------------------|-----------------|------|------|------|----------------|------------------------|---------------|------|------|------|----------------|------------------------|---------------|------|------|------|----------------|------------------------|---------------|------|------|------|------|
|                | Vo-p<br>(Volt)<br>max. | Duty Time(uS 10 |      |      |      |                | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |                | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |                | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |      |
|                |                        | 9.7             | 8.1  | 6.5  | 4.8  | 3.2            |                        | 8.1           | 6.8  | 5.4  | 4.1  | 2.7            |                        | 6.3           | 5.2  | 4.2  | 3.1  | 2.1            |                        | 5.4           | 4.5  | 3.6  | 2.7  | 1.8  |
|                |                        | Duty (%)        |      |      |      |                |                        | Duty (%)      |      |      |      |                |                        | Duty (%)      |      |      |      |                |                        | Duty (%)      |      |      |      |      |
|                |                        | 30              | 25   | 20   | 15   | 10             |                        | 30            | 25   | 20   | 15   | 10             |                        | 30            | 25   | 20   | 15   | 10             |                        | 30            | 25   | 20   | 15   | 10   |
| I p-p(Amp)max. |                        |                 |      |      |      | I p-p(Amp)max. |                        |               |      |      |      | I p-p(Amp)max. |                        |               |      |      |      | I p-p(Amp)max. |                        |               |      |      |      |      |
| 0.0010         | 1800                   | 2.6             | 3.1  | 3.9  | 5.2  | 7.7            | 1800                   | 2.8           | 3.4  | 4.3  | 5.7  | 8.5            | 1800                   | 3.3           | 3.9  | 4.9  | 6.5  | 9.9            | 1800                   | 3.6           | 4.4  | 5.5  | 7.3  | 10.9 |
| 0.0012         | 1800                   | 2.9             | 3.5  | 4.4  | 5.9  | 8.7            | 1800                   | 3.3           | 3.9  | 4.8  | 6.4  | 9.7            | 1800                   | 3.8           | 4.6  | 5.7  | 7.6  | 11.3           | 1800                   | 4.1           | 4.8  | 6.1  | 8.1  | 12.2 |
| 0.0015         | 1800                   | 3.2             | 3.7  | 4.7  | 6.2  | 9.4            | 1800                   | 3.4           | 4.1  | 5.1  | 6.8  | 10.2           | 1800                   | 4.0           | 4.8  | 6.0  | 8.1  | 12.1           | 1800                   | 4.3           | 5.2  | 6.5  | 8.6  | 12.9 |
| 0.0018         | 1800                   | 3.3             | 4.0  | 5.0  | 6.7  | 10.0           | 1800                   | 3.6           | 4.4  | 5.5  | 7.3  | 11.0           | 1800                   | 4.4           | 5.2  | 6.5  | 8.7  | 13.1           | 1800                   | 4.7           | 5.6  | 7.0  | 9.3  | 14.0 |
| 0.0022         | 1800                   | 3.7             | 4.4  | 5.5  | 7.3  | 10.9           | 1800                   | 4.0           | 4.7  | 6.0  | 8.0  | 12.0           | 1800                   | 4.7           | 5.7  | 7.1  | 9.5  | 14.1           | 1800                   | 5.0           | 6.0  | 7.5  | 10.1 | 15.2 |
| 0.0027         | 1800                   | 4.1             | 4.8  | 6.1  | 8.1  | 12.2           | 1800                   | 4.4           | 5.3  | 6.6  | 8.8  | 13.2           | 1800                   | 5.1           | 6.1  | 7.6  | 10.2 | 15.3           | 1800                   | 5.5           | 6.6  | 8.2  | 11.0 | 16.5 |
| 0.0033         | 1800                   | 4.5             | 5.3  | 6.7  | 8.9  | 13.4           | 1800                   | 4.8           | 5.9  | 7.3  | 9.8  | 14.6           | 1800                   | 5.6           | 6.7  | 8.4  | 11.2 | 16.7           | 1800                   | 6.0           | 7.2  | 8.9  | 11.9 | 17.9 |
| 0.0036         | 1800                   | 4.7             | 5.5  | 6.9  | 9.2  | 13.8           | 1800                   | 5.0           | 6.0  | 7.5  | 10.0 | 15.2           | 1800                   | 5.9           | 7.0  | 8.7  | 11.6 | 17.5           | 1800                   | 6.2           | 7.5  | 9.4  | 12.5 | 18.7 |
| 0.0039         | 1800                   | 4.8             | 5.8  | 7.3  | 9.7  | 14.5           | 1800                   | 5.3           | 6.3  | 7.9  | 10.6 | 15.9           | 1800                   | 6.1           | 7.3  | 9.2  | 12.3 | 18.4           | 1800                   | 6.6           | 7.9  | 9.9  | 13.1 | 19.7 |
| 0.0043         | 1800                   | 5.0             | 6.0  | 7.6  | 10.1 | 15.2           | 1800                   | 5.6           | 6.6  | 8.3  | 11.1 | 16.6           | 1800                   | 6.4           | 7.7  | 9.6  | 12.8 | 19.3           | 1800                   | 6.9           | 8.3  | 10.3 | 13.8 | 20.6 |
| 0.0047         | 1800                   | 5.3             | 6.3  | 7.9  | 10.6 | 15.8           | 1800                   | 5.8           | 7.0  | 8.6  | 11.5 | 17.4           | 1800                   | 6.7           | 8.0  | 10.0 | 13.4 | 20.1           | 1700                   | 7.2           | 8.6  | 10.8 | 14.3 | 21.5 |
| 0.0051         | 1800                   | 5.6             | 6.7  | 8.4  | 11.2 | 16.6           | 1800                   | 6.0           | 7.3  | 9.1  | 12.2 | 18.2           | 1800                   | 7.1           | 8.5  | 10.6 | 14.1 | 21.1           | 1700                   | 7.5           | 9.0  | 11.3 | 15.1 | 22.6 |
| 0.0056         | 1800                   | 5.9             | 7.1  | 8.8  | 11.8 | 17.7           | 1800                   | 6.4           | 7.7  | 9.7  | 12.9 | 19.3           | 1800                   | 7.4           | 8.9  | 11.3 | 15.0 | 22.4           | 1700                   | 8.0           | 9.6  | 12.0 | 16.0 | 24.0 |
| 0.0062         | 1800                   | 6.3             | 7.5  | 9.4  | 12.6 | 18.9           | 1800                   | 6.9           | 8.2  | 10.2 | 13.7 | 20.6           | 1800                   | 7.9           | 9.5  | 11.9 | 15.9 | 23.8           | 1600                   | 8.5           | 10.2 | 12.7 | 17.0 | 25.5 |
| 0.0068         | 1800                   | 6.7             | 8.0  | 10.0 | 13.3 | 20.0           | 1800                   | 7.3           | 8.6  | 10.9 | 14.4 | 21.7           | 1800                   | 8.4           | 10.0 | 12.6 | 16.7 | 25.0           | 1600                   | 8.9           | 10.7 | 13.4 | 17.9 | 26.8 |
| 0.0075         | 1800                   | 7.1             | 8.5  | 10.5 | 14.1 | 21.3           | 1800                   | 7.5           | 9.1  | 11.3 | 15.2 | 22.7           | 1700                   | 8.7           | 10.5 | 13.1 | 17.5 | 26.2           | 1600                   | 9.3           | 11.3 | 14.0 | 18.7 | 28.0 |
| 0.0082         | 1800                   | 7.4             | 8.9  | 11.2 | 14.9 | 22.3           | 1800                   | 7.9           | 9.5  | 11.9 | 15.9 | 23.8           | 1700                   | 9.2           | 11.1 | 13.8 | 18.4 | 27.5           | 1500                   | 9.9           | 11.8 | 14.8 | 19.7 | 29.5 |
| 0.0091         | 1800                   | 7.7             | 9.3  | 11.6 | 15.5 | 23.3           | 1800                   | 8.4           | 10.0 | 12.5 | 16.6 | 25.0           | 1600                   | 9.7           | 11.5 | 14.5 | 19.3 | 28.9           | 1500                   | 10.3          | 12.4 | 15.5 | 20.6 | 31.0 |
| 0.010          | 1800                   | 8.1             | 9.7  | 12.1 | 16.1 | 24.2           | 1800                   | 8.7           | 10.5 | 13.1 | 17.6 | 26.3           | 1600                   | 10.1          | 12.2 | 15.3 | 20.4 | 30.5           | 1400                   | 10.9          | 13.0 | 16.3 | 21.8 | 32.6 |
| 0.012          | 1800                   | 8.8             | 10.8 | 13.5 | 17.9 | 27.0           | 1700                   | 9.7           | 11.5 | 14.4 | 19.3 | 28.9           | 1600                   | 11.0          | 13.1 | 16.5 | 21.9 | 32.9           | 1400                   | 11.7          | 14.0 | 17.6 | 23.4 | 35.2 |
| 0.015          | 1800                   | 9.3             | 11.2 | 14.0 | 18.6 | 27.8           | 1700                   | 10.1          | 12.2 | 15.3 | 20.3 | 30.5           | 1500                   | 11.6          | 14.0 | 17.5 | 23.3 | 35.0           | 1400                   | 12.5          | 15.0 | 18.7 | 24.9 | 37.5 |
| 0.018          | 1700                   | 10.3            | 12.4 | 15.4 | 20.6 | 30.9           | 1700                   | 11.2          | 13.4 | 16.7 | 22.3 | 33.5           | 1500                   | 12.8          | 15.3 | 19.3 | 25.7 | 38.5           | 1300                   | 13.8          | 16.5 | 20.6 | 27.4 | 41.2 |
| 0.022          | 1700                   | 11.2            | 13.4 | 16.7 | 22.3 | 33.5           | 1600                   | 12.0          | 14.4 | 18.0 | 24.0 | 36.0           | 1400                   | 13.8          | 16.6 | 20.6 | 27.5 | 41.4           | 1300                   | 14.8          | 17.7 | 22.1 | 29.5 | 44.3 |

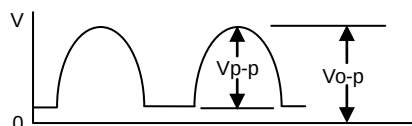
## ■ 测试条件

环境温度: +85°C ±5°C

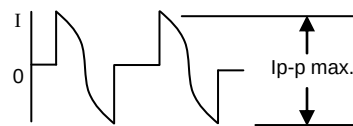
相对湿度: 65% -- 95%

上升温度 (ΔT): 8°C max.

## ■ 电压波形



## ■ 电流波形



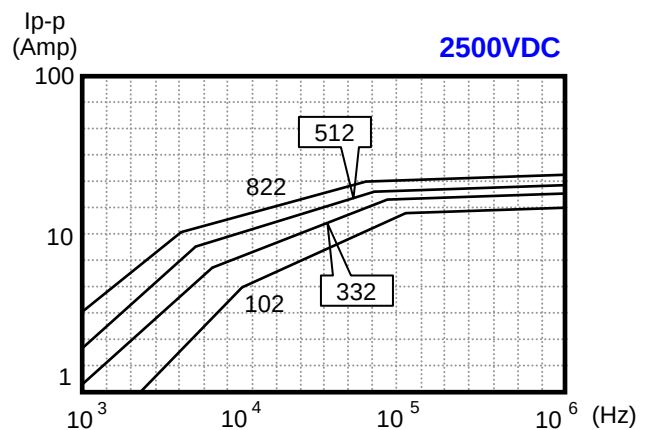
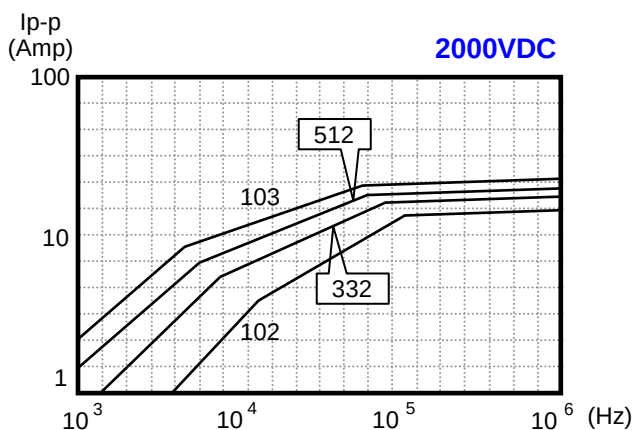
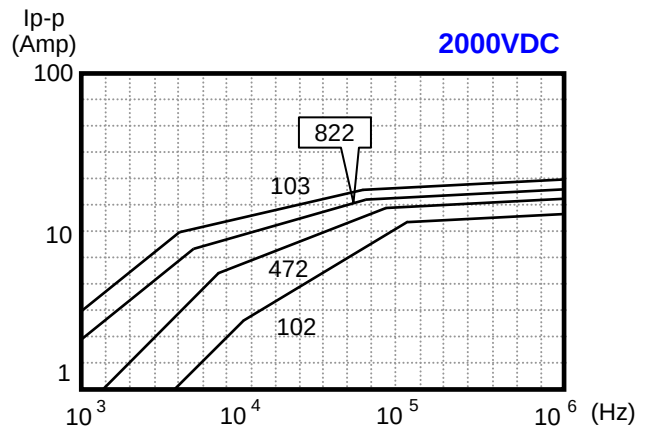
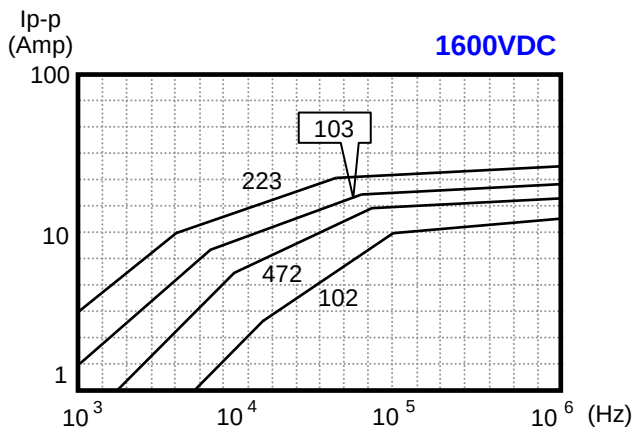
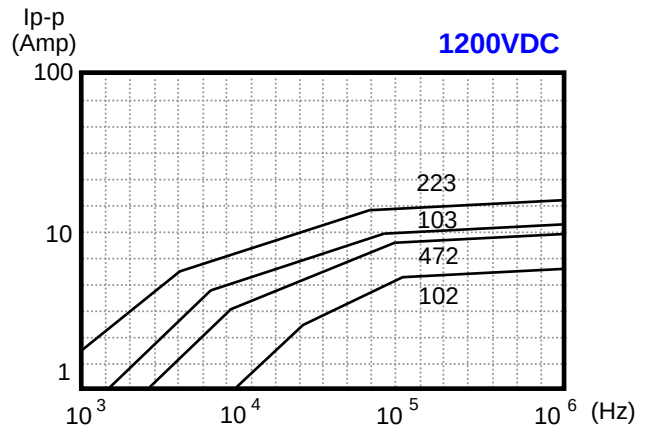
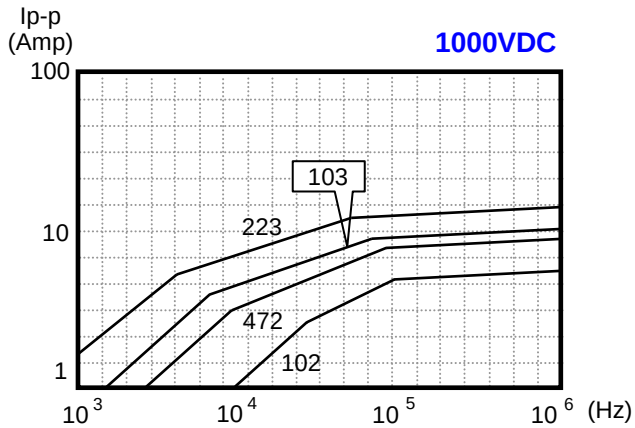
| CAP<br>(uF)    | 64.00KH6               |               |      |      |      |                | 78.00KHz               |               |      |      |      |                | 82.00KHz               |               |      |      |      |                | 96.00KHz               |               |      |      |      |      |
|----------------|------------------------|---------------|------|------|------|----------------|------------------------|---------------|------|------|------|----------------|------------------------|---------------|------|------|------|----------------|------------------------|---------------|------|------|------|------|
|                | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |                | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |                | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |                | Vo-p<br>(Volt)<br>max. | Duty Time(uS) |      |      |      |      |
|                |                        | 4.7           | 3.9  | 3.1  | 2.3  | 1.6            |                        | 3.9           | 3.2  | 2.6  | 1.9  | 1.3            |                        | 3.7           | 3.1  | 2.4  | 1.8  | 1.2            |                        | 3.1           | 2.6  | 2.1  | 1.6  | 1.0  |
|                |                        | Duty (%)      |      |      |      |                |                        | Duty (%)      |      |      |      |                |                        | Duty (%)      |      |      |      |                |                        | Duty (%)      |      |      |      |      |
|                |                        | 30            | 25   | 20   | 15   | 10             |                        | 30            | 25   | 20   | 15   | 10             |                        | 30            | 25   | 20   | 15   | 10             |                        | 30            | 25   | 20   | 15   | 10   |
| I p-p(Amp)max. |                        |               |      |      |      | I p-p(Amp)max. |                        |               |      |      |      | I p-p(Amp)max. |                        |               |      |      |      | I p-p(Amp)max. |                        |               |      |      |      |      |
| 0.0010         | 1800                   | 4.0           | 4.7  | 6.0  | 7.9  | 11.9           | 1800                   | 4.5           | 5.3  | 6.6  | 8.8  | 13.3           | 1800                   | 4.6           | 5.5  | 6.9  | 9.1  | 13.7           | 1800                   | 5.1           | 6.1  | 7.6  | 10.2 | 15.3 |
| 0.0012         | 1800                   | 4.3           | 5.1  | 6.4  | 8.6  | 12.7           | 1800                   | 4.7           | 5.7  | 7.2  | 9.5  | 14.3           | 1800                   | 4.9           | 5.9  | 7.3  | 9.9  | 14.7           | 1800                   | 5.5           | 6.5  | 8.3  | 11.1 | 16.6 |
| 0.0015         | 1800                   | 4.6           | 5.4  | 6.8  | 9.0  | 13.6           | 1800                   | 5.0           | 6.0  | 7.6  | 10.1 | 15.2           | 1800                   | 5.2           | 6.2  | 7.8  | 10.4 | 15.6           | 1800                   | 6.0           | 7.1  | 8.9  | 11.8 | 17.8 |
| 0.0018         | 1800                   | 4.9           | 5.9  | 7.3  | 9.8  | 14.7           | 1800                   | 5.5           | 6.6  | 8.2  | 11.0 | 16.4           | 1800                   | 5.7           | 6.8  | 8.5  | 11.3 | 16.9           | 1800                   | 6.4           | 7.7  | 9.7  | 12.8 | 19.3 |
| 0.0022         | 1800                   | 5.3           | 6.3  | 7.9  | 10.6 | 15.9           | 1800                   | 6.0           | 7.1  | 8.9  | 11.8 | 17.8           | 1800                   | 6.1           | 7.3  | 9.1  | 12.2 | 18.3           | 1700                   | 7.0           | 8.4  | 10.5 | 14.0 | 21.0 |
| 0.0027         | 1800                   | 5.8           | 6.9  | 8.6  | 11.4 | 17.2           | 1800                   | 6.4           | 7.7  | 9.6  | 12.8 | 19.3           | 1700                   | 6.6           | 7.9  | 10.0 | 13.2 | 19.8           | 1700                   | 7.6           | 9.1  | 11.4 | 15.3 | 22.9 |
| 0.0033         | 1800                   | 6.2           | 7.4  | 9.3  | 12.5 | 18.7           | 1700                   | 7.0           | 8.4  | 10.4 | 14.0 | 20.8           | 1600                   | 7.2           | 8.6  | 10.8 | 14.3 | 21.5           | 1600                   | 8.3           | 9.9  | 12.4 | 16.5 | 24.7 |
| 0.0036         | 1700                   | 6.5           | 7.9  | 9.9  | 13.1 | 19.6           | 1700                   | 7.3           | 8.7  | 11.0 | 14.6 | 21.9           | 1600                   | 7.5           | 9.0  | 11.3 | 15.1 | 22.6           | 1500                   | 8.6           | 10.4 | 13.0 | 17.4 | 26.1 |
| 0.0039         | 1700                   | 6.9           | 8.3  | 10.3 | 13.8 | 20.6           | 1600                   | 7.7           | 9.2  | 11.5 | 15.4 | 23.2           | 1600                   | 7.9           | 9.5  | 11.9 | 15.9 | 23.8           | 1500                   | 9.1           | 11.0 | 13.7 | 18.2 | 27.3 |
| 0.0043         | 1700                   | 7.2           | 8.6  | 10.8 | 14.4 | 21.6           | 1600                   | 8.0           | 9.7  | 12.1 | 16.1 | 24.1           | 1500                   | 8.3           | 10.0 | 12.5 | 16.6 | 24.8           | 1500                   | 9.6           | 11.5 | 14.4 | 19.3 | 28.8 |
| 0.0047         | 1600                   | 7.5           | 9.0  | 11.3 | 15.1 | 22.6           | 1600                   | 8.4           | 10.0 | 12.6 | 16.8 | 25.2           | 1500                   | 8.6           | 10.4 | 13.0 | 17.3 | 26.0           | 1400                   | 10.0          | 12.1 | 15.1 | 20.1 | 30.1 |
| 0.0051         | 1600                   | 7.9           | 9.5  | 11.9 | 15.8 | 23.7           | 1500                   | 8.8           | 10.6 | 13.3 | 17.7 | 26.5           | 1500                   | 9.1           | 11.0 | 13.7 | 18.2 | 27.3           | 1400                   | 10.5          | 12.7 | 15.9 | 21.2 | 31.8 |
| 0.0056         | 1600                   | 8.4           | 10.0 | 12.6 | 16.7 | 25.2           | 1500                   | 9.4           | 11.3 | 14.0 | 18.8 | 28.2           | 1400                   | 9.7           | 11.6 | 14.5 | 19.3 | 29.0           | 1400                   | 11.1          | 13.3 | 16.6 | 22.2 | 33.3 |
| 0.0062         | 1500                   | 8.9           | 10.7 | 13.4 | 17.8 | 26.7           | 1500                   | 10.0          | 11.9 | 14.9 | 19.9 | 29.9           | 1400                   | 10.1          | 12.2 | 15.3 | 20.3 | 30.5           | 1400                   | 11.6          | 14.0 | 17.5 | 23.3 | 35.0 |
| 0.0068         | 1500                   | 9.4           | 11.3 | 14.0 | 18.8 | 28.1           | 1400                   | 10.5          | 12.6 | 15.7 | 20.9 | 31.4           | 1400                   | 10.7          | 12.6 | 16.1 | 21.4 | 32.1           | 1300                   | 12.3          | 14.7 | 18.4 | 24.6 | 36.8 |
| 0.0075         | 1500                   | 9.8           | 11.7 | 14.7 | 19.6 | 29.4           | 1400                   | 11.0          | 13.1 | 16.5 | 21.9 | 32.8           | 1300                   | 11.3          | 13.6 | 16.9 | 22.6 | 33.9           | 1300                   | 12.9          | 15.5 | 19.4 | 25.9 | 38.9 |
| 0.0082         | 1400                   | 10.3          | 12.4 | 15.4 | 20.6 | 31.0           | 1400                   | 11.5          | 13.9 | 17.3 | 23.1 | 34.6           | 1300                   | 11.9          | 14.2 | 17.9 | 23.8 | 35.6           | 1300                   | 13.7          | 16.4 | 20.5 | 27.2 | 40.9 |
| 0.0091         | 1400                   | 10.8          | 13.0 | 16.3 | 21.7 | 32.5           | 1300                   | 12.1          | 14.5 | 18.1 | 24.2 | 36.4           | 1300                   | 12.5          | 15.0 | 18.7 | 24.9 | 37.5           | 1300                   | 14.3          | 17.2 | 21.5 | 28.6 | 43.0 |
| 0.010          | 1400                   | 11.4          | 13.7 | 17.1 | 22.8 | 34.2           | 1300                   | 12.7          | 15.3 | 19.2 | 25.5 | 38.2           | 1300                   | 13.0          | 15.6 | 19.6 | 26.1 | 39.2           | 1300                   | 15.2          | 18.1 | 22.7 | 30.2 | 45.4 |
| 0.012          | 1400                   | 12.3          | 14.8 | 18.4 | 24.6 | 36.9           | 1300                   | 13.8          | 16.5 | 20.6 | 27.5 | 41.3           | 1300                   | 14.1          | 17.0 | 21.3 | 28.4 | 42.5           | 1200                   | 16.5          | 19.7 | 24.6 | 32.8 | 49.3 |
| 0.015          | 1300                   | 13.1          | 15.7 | 19.6 | 26.1 | 39.2           | 1300                   | 14.6          | 17.6 | 21.9 | 29.3 | 43.9           | 1200                   | 15.1          | 18.1 | 22.6 | 30.1 | 45.3           | 1200                   | 17.5          | 21.0 | 26.2 | 35.0 | 52.5 |
| 0.018          | 1300                   | 14.4          | 17.3 | 21.6 | 28.7 | 43.2           | 1200                   | 16.1          | 19.3 | 24.1 | 32.2 | 48.3           | 1200                   | 16.6          | 19.9 | 24.8 | 33.2 | 49.8           | 1200                   | 19.3          | 23.1 | 28.8 | 38.4 | 53.9 |
| 0.022          | 1200                   | 15.4          | 18.6 | 23.2 | 31.0 | 46.4           | 1200                   | 17.3          | 20.7 | 25.9 | 34.6 | 51.9           | 1200                   | 17.9          | 21.4 | 26.8 | 35.6 | 53.5           | 1100                   | 20.5          | 24.6 | 30.7 | 40.9 | 55.8 |



# Permissible AC Voltage VS Frequency Curves

CBB81 (PPS)

容许脉冲电流 VS 频率曲线图



| ■ 电容器规格尺寸表 CBB81 (PPS) |            |                  |           |      |      |           |
|------------------------|------------|------------------|-----------|------|------|-----------|
| 容量                     | 额定电压 (VDC) | 成品编码             | 外形尺寸 (mm) |      |      |           |
| $\mu F$                |            |                  | Wmax      | Tmax | Hmax | P $\pm 1$ |
| 0.22                   | 1250V      | PPS224JB292028YG | 28        | 19   | 27   | 25        |
| 0.068                  | 630V       | PPS683J6291118YG | 28        | 11   | 18   | 25        |
| 0.033                  | 1600V      | PPS333JC291320YG | 28        | 12   | 18   | 25        |
| 0.1                    | 1600V      | PPS104KC291421YG | 28        | 12.5 | 19.5 | 25        |
| 0.1                    | 1250V      | PPS104JB291421YG | 28        | 12.5 | 19.5 | 25        |
| 0.01                   | 2000V      | PPS103KD291017YG | 28        | 9    | 16   | 25        |
| 0.22                   | 1250V      | PPS224JB292227YG | 28        | 21   | 24   | 25        |
| 0.18                   | 1000V      | PPS184JA291322YG | 28        | 12   | 20   | 25        |
| 0.047                  | 2000V      | PPS473JD291423YG | 28        | 13   | 21   | 25        |
| 0.22                   | 1600V      | PPS224KC292028YG | 28        | 19   | 27   | 25        |
| 0.068                  | 1250V      | PPS683JB291524YG | 28        | 14   | 23.5 | 25        |
| 0.22                   | 1000V      | PPS224JA291624YG | 28        | 14   | 22.5 | 25        |
| 0.1                    | 1250V      | PPS104KB291421YG | 28        | 12.5 | 19.5 | 25        |
| 0.1                    | 1250V      | PS104JB291421YG  | 28        | 12.5 | 19.5 | 25        |
| 0.15                   | 1250V      | PPS154JB291420YG | 28        | 12.5 | 18   | 25        |
| 0.01                   | 1250V      | PPS103JE291322YG | 2813      | 22   | 25   | 25        |
| 0.02                   | 1600V      | PPS203JC291117YG | 28        | 10   | 16.5 | 25        |