



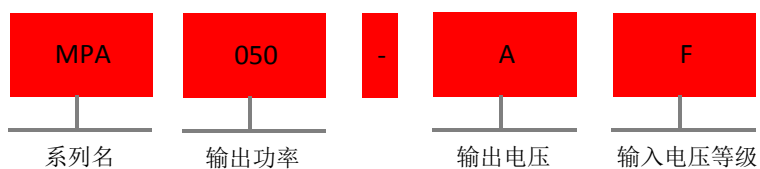
### ▲ 特性

- 100%满载老化
- 保护种类：过压、过载、短路保护
- LED工作指示
- 选配导轨安装架，可TS35安装
- 抗震保护
- “三支点” M4大口径安装
- “三防”处理，适用于较恶劣工作环境
- 接线端子带防护盖
- 全铝外壳
- 浪涌保护
- 保固2年

### ▲ 应用

- 工业自动化控制系统
- 智能化控制系统
- 电子仪器设备和装置
- LED控制
- 家用电器

### ▲ 型号编码

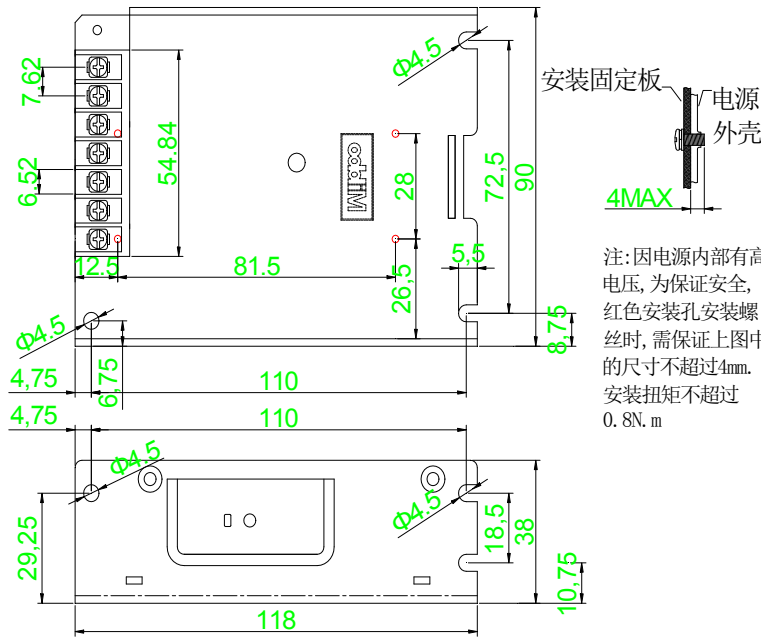




### 电气规格

| 输入参数               |  |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
|--------------------|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|---------------------|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 输入电压               | 85-264VAC 120-370VDC                                     |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 输入电流               | 1.1A/115VAC 0.65A/230VAC                                 |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 输入频率               | 47-63Hz  |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 浪涌电流 (max)         | 22A/115VAC 44A/230VAC                                    |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 输出参数               |  |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 型号                 | MPA050-AF  |                     | MPA050-BF           |                     | MPA050-CF           |                     | MPA050-DF           |                      | MPA050-FF           |                      | MPA050-GF           |                     | MPA050-HF           |                     | MPA050-IF           |                     |
| 输出通道               | Ch1  | Ch2                 | Ch1                 | Ch2                 | Ch1                 | Ch2                 | Ch1                 | Ch2                  | Ch1                 | Ch2                  | Ch1                 | Ch2                 | Ch1                 | Ch2                 | Ch1                 | Ch2                 |
| 直流额定电压 (V)         | 5V   | 12V                 | 5V                  | 24V                 | 12V                 | 24V                 | 5V                  | 48V                  | 12V                 | 48V                  | -5V                 | +5V                 | -12V                | +12V                | -15V                | +15V                |
| 效率                 | 80%  |                     | 83%                 |                     | 83%                 |                     | 84%                 |                      | 84%                 |                      | 80%                 |                     | 82%                 |                     | 82%                 |                     |
| 输出电压调节范围           | Ch1:4.75-5.5V  |                     | Ch1:4.75-5.5V       |                     | Ch1:11.7-12.2V      |                     | Ch1:4.75-5.5V       |                      | Ch1:11.7-12.2V      |                      | Ch1:4.75-5.5V       |                     | Ch1:11.7-12.2V      |                     | Ch1:14.6-15.4V      |                     |
| 额定电流 (A)           | 5.2A   | 2A                  | 5.2A                | 1A                  | 1A                  | 1.6A                | 5.2A                | 0.5A                 | 2.2A                | 0.5A                 | 5A                  | 5A                  | 2.1A                | 2.1A                | 1.7A                | 1.7A                |
| 额定功率 (W)           | 50W  |                     | 50W                 |                     | 50.4W               |                     | 50W                 |                      | 50.4W               |                      | 50W                 |                     | 50.4W               |                     | 51W                 |                     |
| 纹波噪声 (max MVP-P)注2 | 60mV <sub>p-p</sub>                                      | 80mV <sub>p-p</sub> | 60mV <sub>p-p</sub> | 80mV <sub>p-p</sub> | 80mV <sub>p-p</sub> | 80mV <sub>p-p</sub> | 60mV <sub>p-p</sub> | 100mV <sub>p-p</sub> | 80mV <sub>p-p</sub> | 100mV <sub>p-p</sub> | 60mV <sub>p-p</sub> | 60mV <sub>p-p</sub> | 60mV <sub>p-p</sub> | 60mV <sub>p-p</sub> | 60mV <sub>p-p</sub> | 60mV <sub>p-p</sub> |
| 电压精度 注3            | ±2%  | ±6%                 | ±2%                 | ±6%                 | ±2%                 | ±6%                 | ±2%                 | ±6%                  | ±2%                 | ±6%                  | ±2%                 | ±6%                 | ±2%                 | ±6%                 | ±2%                 | ±6%                 |
| 线性调整率 注4           | ±0.5%  | ±1%                 | ±0.5%               | ±1%                 | ±0.5%               | ±1%                 | ±0.5%               | ±1%                  | ±0.5%               | ±1%                  | ±0.5%               | ±1%                 | ±0.5%               | ±1%                 | ±0.5%               | ±1%                 |
| 负载调整率 注5           | ±1.5%  | ±3%                 | ±1.5%               | ±3%                 | ±1.5%               | ±3%                 | ±1.5%               | ±3%                  | ±1.5%               | ±3%                  | ±1.5%               | ±3%                 | ±1.5%               | ±3%                 | ±1.5%               | ±3%                 |
| 启动、上升时间            | 500ms 30ms/230VAC 1200ms 30ms/115VAC(满载时)                |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 保持时间               | 50ms/230VAC 10ms/115VAC(满载时)                             |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 状态指示               | 绿色LED  |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 保护功能               |  |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 过负载                | 额定输出功率的110%-150%<br>保护模式：打嗝模式，负载异常移除后可自动恢复               |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 过电压 (V)            | Ch1:5.6-6.8V   |                     | Ch1:5.6-6.8V        |                     | Ch1:13.8-16.2V      |                     | Ch1:5.6-6.8V        |                      | Ch1:13.8-16.2V      |                      | Ch1:5.6-6.8V        |                     | Ch1:13.8-16.2V      |                     | Ch1:18-21V          |                     |
|                    | 保护模式：打嗝模式，电压异常移除后可自动恢复                                   |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 三防处理               | 适用于高粉尘、凝露场合  |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 安规和电磁兼容            |  |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 耐压                 | I/P-0/P:3KVAC I/P-FG:1.5KVAC 0/P-FG:0.5KVAC              |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 绝缘阻抗               | I/P-0/P, I/P-FG, 0/P-FG:100M Ohms/500VDC/25°C/70%RH      |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 安全规范 注6            | 60950-1, GB4943.1  |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 电磁兼容发射             | 设计参考EN55022 (CISPR22) Class B, EN61000-3-2, -3           |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 电磁兼容抗扰度            | 设计参考EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61000-6-1, A级轻工业标准 |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 环境参数               |  |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 工作温度               | -25~+60°C (>50°C降额, 见温度特性曲线)                             |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 存储温度               | -20~+85°C  |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 存储湿度               | 10-95%RH   |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 耐震动                | 10-500Hz, 2G 10分钟/周期X, Y, Z轴各60分钟                        |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 其他参数               |  |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 平均无故障时间MTBF        | ≥370K hrs, MIL-HDBK-217F(25°C)                           |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 安装方式               | 平板螺丝固定, 或选配附件可TS35导轨安装                                   |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 防护等级               | IP20   |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 重量                 | 约0.35Kg  |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 长*宽*高              | 118*90*38mm  |                     |                     |                     |                     |                     |                     |                      |                     |                      |                     |                     |                     |                     |                     |                     |
| 订货数据               | 参数描述   |                     |                     |                     |                     |                     |                     |                      | 订货型号                |                      |                     |                     |                     |                     |                     |                     |
|                    | MPA 50W 5.2A/5V 2.0A/12V                                 |                     |                     |                     |                     |                     |                     |                      | MPA050-AF           |                      |                     |                     |                     |                     |                     |                     |
|                    | MPA 50W 5.2A/5V 1.0A/24V                                 |                     |                     |                     |                     |                     |                     |                      | MPA050-BF           |                      |                     |                     |                     |                     |                     |                     |
|                    | MPA 50.4W 1.0A/12V 1.6A/24V                              |                     |                     |                     |                     |                     |                     |                      | MPA050-CF           |                      |                     |                     |                     |                     |                     |                     |
|                    | MPA 50W 5.2A/5V 0.5A/48V                                 |                     |                     |                     |                     |                     |                     |                      | MPA050-DF           |                      |                     |                     |                     |                     |                     |                     |
|                    | MPA 50.4W 2.2A/12V 0.5A/48V                              |                     |                     |                     |                     |                     |                     |                      | MPA050-FF           |                      |                     |                     |                     |                     |                     |                     |
|                    | MPA 50W 5.0A/-5V 5.0A/+5V                                |                     |                     |                     |                     |                     |                     |                      | MPA050-GF           |                      |                     |                     |                     |                     |                     |                     |
|                    | MPA 50.4W 2.1A/-12V 2.1A/+12V                            |                     |                     |                     |                     |                     |                     |                      | MPA050-HF           |                      |                     |                     |                     |                     |                     |                     |
|                    | MPA 51W 1.7A/-15V 1.7A/+15V                              |                     |                     |                     |                     |                     |                     |                      | MPA050-IF           |                      |                     |                     |                     |                     |                     |                     |
| 附件                 | 参数描述   |                     |                     |                     |                     |                     |                     |                      | 订货型号                |                      |                     |                     |                     |                     |                     |                     |
| 导轨卡脚               | TS35安装附件   |                     |                     |                     |                     |                     |                     |                      | MPS-F050B           |                      |                     |                     |                     |                     |                     |                     |

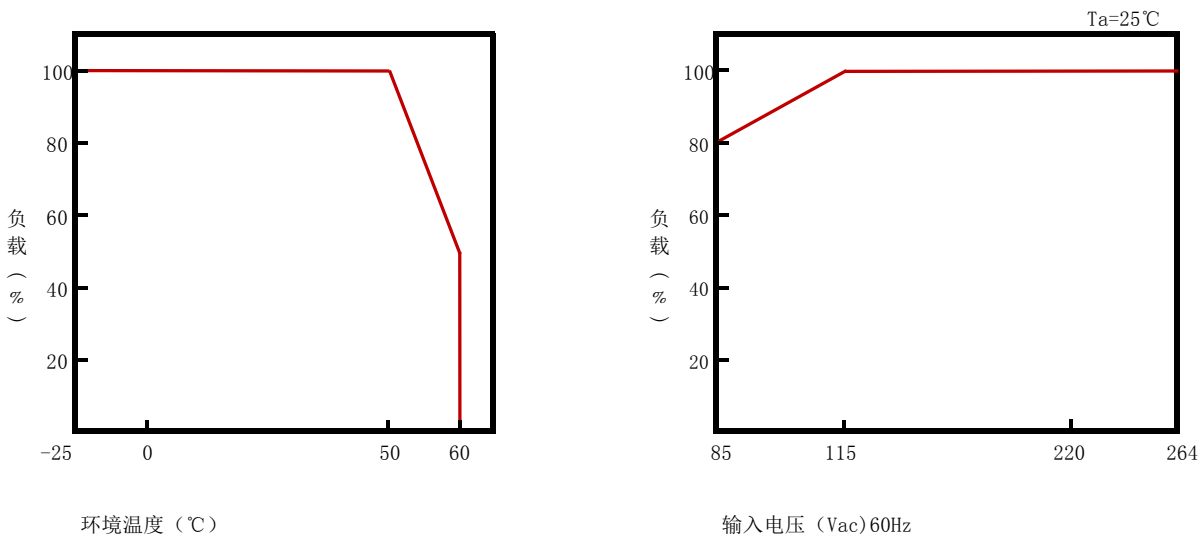
## 安装示意图



## 接线端子安装说明

| 端子排规格  | U形接线端子宽度  | 线材安装规格   | 最大扭矩        |
|--------|-----------|----------|-------------|
| 762端子排 | 6.5mm MAX | 22-14AWG | 0.8N.m(MAX) |

## 温度曲线图



- 备注:**
- 1: 如未特别说明, 所有的规格参数均在输入为230VAC, 额定负载, 25°C环境温度下测试。
  - 2: 纹波和噪声测量方法: 使用一条双绞线, 输出点需并联0.1uF和47uF的电容, 在20MHZ带宽下进行测量。
  - 3: 精度: 包含设定误差, 线性调整率和负载调整率。
  - 4: 线性调整率的测量方法: 在额定负载下, 从高压到低压测试。
  - 5: 负载调整率的测量方法: 从0%到100%额定负载。
  - 6: 按照GB4943.1的要求, 电源仅使用于海拔2000M以下地区和非热带气候条件下安全使用。