

典型性能 Typical performance

- ◆ 宽范围输入 Wide Input voltage range
- ◆ 转换效率 Typical Efficiency (典型 80%)
- ◆ 开关频率 Switching frequency: 60-100 KHz
- ◆ 过流、短路保护, 自动恢复
Over current / Short circuit protection, Self-furbish
- ◆ 输入与输出高隔离 Input-output isolate
- ◆ PCB 板上直插式安装 Board in-line type installs
- ◆ 塑壳或金属壳 Plastic/Metal case


技术参数

测试条件: 如无特殊指定, 所有参数测试均在标称输入电压、纯阻性额定负载及 25°C 室温环境下测得。

Technology parameter

Test condition: General Nominal Line, Tc= 25 °C, Rated resistant load unless other wise specified

| 输入特性 Input | Min (Vac) | Nom(Vac) | Max(Vac) | Notes |
|------------------------|-------------|----------|-------------|-------|
| 输入电压 Vac | 165(200Vdc) | 220 | 265(380Vdc) | N |
| Input voltage | 85(120Vdc) | 220 | 265(380Vdc) | W |
| 输入频率范围 Frequency range | 47 | | 440 | |
| Hz | | | | |
| 遥控端 Remote ON/OFF | 无遥控端 | | | |

输出特性 Output

| | | | |
|---------------------------|-------------------|-------------------|-----------------|
| 输出电压精度 Voltage accuracy | | Vo1; Vo2, Vo3; | ±1.0%, ±3.0% |
| 源效应 Line regulation | 标称负载, 全电压范围 | Vo1; Vo2, Vo3; | ±0.2%; ±0.5% |
| 负载效应 Load regulation | 20% ~ 100%额定负载 | Vo1; Vo2, Vo3; | ±0.5%; ±3.0% |
| 纹波及噪声 Ripple and noise | 20MHz BM 满载 | | |
| | Vo≤5.0V, ≤80mVp-p | Vo≥48V, ≤180mVp-p | Other≤120 mVp-p |
| 启动延迟时间 Turn-on delay time | 典型值 | | 1S |

一般特性 General

| | | | |
|----------------------------|------------|-----------------|----------------|
| 转换效率 Efficiency | 标称电压输入, 满载 | Vo≤5.0V, 78%典型 | Vo>5.0V, 80%典型 |
| 开关频率 Switching frequency | | 60-100KHz 典型 | |
| 工作温度 Operating temperature | | 自由空气对流 Free air | -25°C ~ +65°C |
| 储存温度 Storage temperature | | | -40°C ~ +105°C |
| 最大壳温 Max case temperature | | | +90°C |
| 相对湿度 Relative humidity | | | 10%~90% |

| | | |
|------------------------|--|------------------------------|
| 外壳材料 case material | | 塑壳或金属壳 Plastic/Metal case |
| 隔离电压 Isolation Voltage | 输入与输出 Input-output 2.5KV \leq 1.5mA/1min; 输入与外壳 Input- case 输入与 FG Input-FG 1.5KV \leq 1.5mA/1min | |
| 最小无故障间隔时间(MTBF) | 2X10 ⁵ Hrs | |

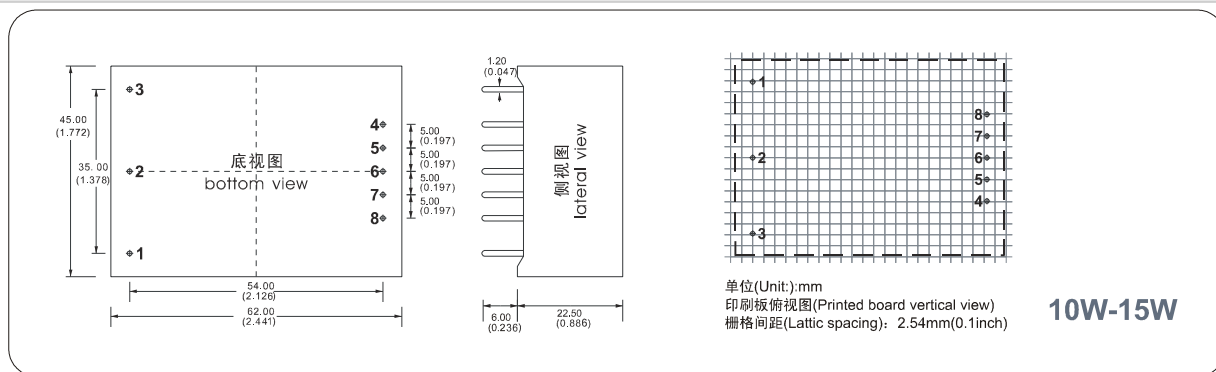
典型产品列表 Typical product tabulates

| 型号 TYPE | 输入电压范围 Input voltage range | 输出电压/电流 (Output voltage / current) | | | | | |
|------------------|-------------------------------|------------------------------------|---------|------|---------|-----|----|
| | | VO1 | | VO2 | | VO3 | |
| | | V | mA | V | mA | V | mA |
| WA10-220S05F2/F3 | 85~265VAC 120~380VDC | 5V | 2000mA | | | | |
| WA10-220S12F2/F3 | | 12V | 840mA | | | | |
| WA10-220S24F2/F3 | | 24V | 420mA | | | | |
| WA10-220D05F2/F3 | | +5V | 1000mA | -5V | 1000mA | | |
| WA10-220D12F2/F3 | | +12V | 420mA | -12V | 420mA | | |
| WA10-220D24F2/F3 | | +24V | 210mA | -24V | 210mA | | |
| WA15-220S05F2/F3 | | 5V | 3000mA | | | | |
| WA15-220S12F2/F3 | | 12V | 1250mA | | | | |
| WA15-220S24F2/F3 | | 24V | 625mA | | | | |
| WA15-220D05F2/F3 | | +5V | 1500 mA | -5V | 1500 mA | | |
| WA15-220D12F2/F3 | | +12V | 625mA | -12V | 625mA | | |
| WA15-220D24F2/F3 | | +24V | 310mA | -24V | 310mA | | |

注：因篇幅有限，以上只是部分产品列表，若需列表以外产品，请与本公司销售部联系。

due to space limitations ,the above list is only for some products, If other than a list of products, please contact the Company's sales department.

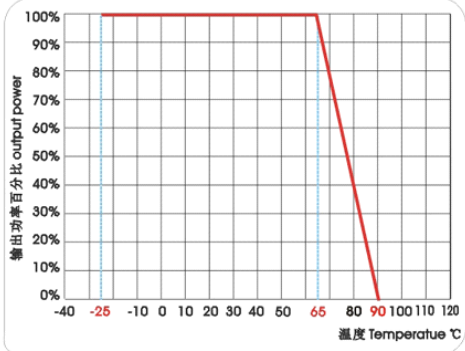
Typical products tabulates/典型产品列表



封装尺寸 Mechanical Data

| | | |
|-------|-----------------------|---------------------------|
| 封装代号 | L x W x H | |
| F2/F3 | 62.0 x 45.0 x 22.5 mm | 2.441 x 1.772 x 0.885inch |

温度曲线图 Temperature graph



管脚定义 Pin Assignments

| 管脚说明 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|--------|----|-------|-------|------|----|-----|----|------|
| 单路 (S) | FG | AC(N) | AC(L) | +Vo | NP | NP | NP | GND |
| 双路 (D) | FG | AC(N) | AC(L) | +Vo1 | NP | COM | NP | -Vo2 |

注意：电源模块的各管脚定义如与选型手册不符，应以实物标签上的标注为准。

Note: The power modules such as the definition of the pin does not match with the hand book, please refer to the actual item.