

# CFAGME10 Series

AC-DC module converter

电力专用电源



## 典型性能 FEATURES

- ◆ 10瓦功率输出 (10 Watts of Output Power)
- ◆ 单, 双路输出 (Single, Dual, Outputs)
- ◆ 高电压输入 100Vac-460Vac (Wide Input Range)
- ◆ 高隔离电压 (3000Vac Isolation)
- ◆ 小型化封装 (Small Package)
- ◆ PCB, 导轨式安装方式

## 电气特性

### ELECTRICAL SPECIFICATIONS

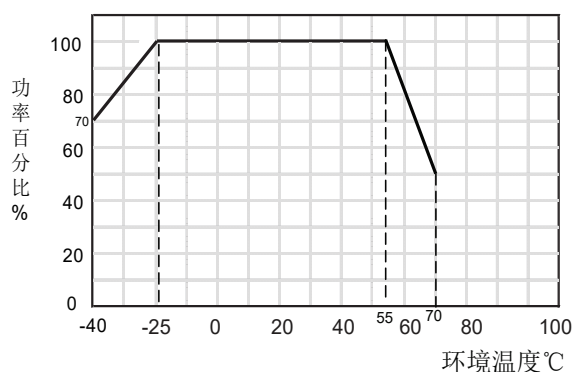
| 输入特性 Input                            | Min                                     | Nom                                                     | Max                                                                             |
|---------------------------------------|-----------------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------|
| 输入电压 Vac<br>Input Voltage             | 100(150V <sub>DC</sub> )                | 380                                                     | 460(650V <sub>DC</sub> )                                                        |
| 输入频率 Hz<br>Input Frequency            | 45                                      |                                                         | 65                                                                              |
| 输出特性 Output                           |                                         |                                                         |                                                                                 |
| 输出电压精度<br>Setpoint Accuracy           |                                         | ±1%<br>±3%                                              | Vo1<br>Vo2                                                                      |
| 源效应<br>Line Regulation                |                                         |                                                         | ±0.2%                                                                           |
| 负载效应<br>Load Regulation               |                                         |                                                         | ±0.5%                                                                           |
| 纹波与噪声<br>Ripple and Noise             |                                         |                                                         | 50mVp-p<br>100mVp-p<br>200mVp-p<br>Vo≤5Vdc<br>Other<br>Vo≥48Vdc                 |
| 温度系数<br>Temperature Coefficient       |                                         | ±0.1%/°C                                                |                                                                                 |
| 综合特性 General                          |                                         |                                                         |                                                                                 |
| 隔离电压<br>Isolation Voltage             |                                         | 3000Vac/1min/5mA<br>1500Vac/1min/5mA<br>500Vac/1min/5mA | Input-Output<br>Input-Case<br>Output- Case                                      |
| 开关频率<br>Switching Frequency           | 60KHz                                   |                                                         | 100KHz                                                                          |
| MTBF                                  |                                         | 3×10 <sup>5</sup> h                                     |                                                                                 |
| 工作环境温度 (满载不降额)<br>Storage Temperature | -25°C<br>-40°C<br>-40°C                 |                                                         | +55°C<br>+70°C<br>+70°C<br>Industry 工业级<br>Military GS 军品筛选级<br>Military PJ 普军级 |
| 储存温度<br>Storage Temperature           | -55°C                                   |                                                         | +125°C                                                                          |
| 相对湿度<br>Relative Humidity             | 10%                                     |                                                         | 90%                                                                             |
| 短路保护<br>Short-Circuit Protection      | 短路自恢复<br>Continuous, Automatic Recovery |                                                         |                                                                                 |

|    |                    | 输入电压(Vac)<br>Input Voltage | 输出电压(Vdc)<br>Output Voltage | 输出电流(A)<br>Output Current | 效率<br>Efficiency |
|----|--------------------|----------------------------|-----------------------------|---------------------------|------------------|
|    |                    |                            | Vo1/Vo2                     | Io1/Io2                   |                  |
| 单路 | CFAGME10S05(Z)     | 100~460                    | 5                           | 2                         | 78%              |
|    | CFAGME10S12(Z)     | 100~460                    | 12                          | 0.83                      | 81%              |
|    | CFAGME10S15(Z)     | 100~460                    | 15                          | 0.66                      | 81%              |
|    | CFAGME10S24(Z)     | 100~460                    | 24                          | 0.42                      | 81%              |
| 双路 | CFAGME10D05I(Z)    | 100~460                    | +5.05/-5.05                 | +1/-1                     | 79%              |
|    | CFAGME10D12I(Z)    | 100~460                    | +12/-12                     | +0.42/-0.42               | 81%              |
|    | CFAGME10D15I(Z)    | 100~460                    | +15/-15                     | +0.33/-0.33               | 81%              |
|    | CFAGME10D24I(Z)    | 100~460                    | +24/-24                     | +0.21/-0.21               | 81%              |
|    | CFAGME10D05H05I(Z) | 100~460                    | +5/-5                       | +1.6/-0.4                 | 81%              |
|    | CFAGME10D05H12I(Z) | 100~460                    | +5/+12                      | +1.1/-0.4                 | 81%              |
|    | CFAGME10D05M24I(Z) | 100~460                    | +5/+24                      | +1.1/-0.2                 | 81%              |

注:I:代表输出隔离

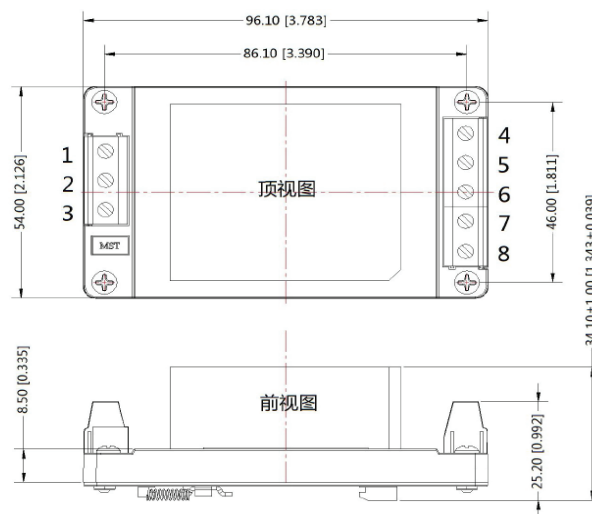
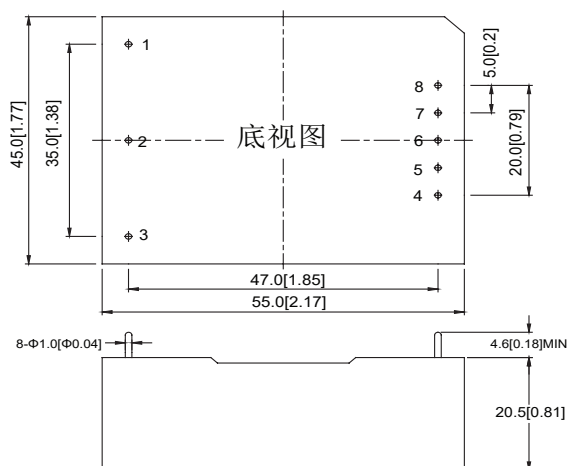
Z:代表带转接底座, 可选配

## 温度/功率降额曲线



## 机械图及管脚说明

(MECHANICAL CHART, PINS) (Unit: mm/inch)



| 管脚   | Pin                 | 1 | 2 | 3  | 4    | 5    | 6  | 7    | 8    |
|------|---------------------|---|---|----|------|------|----|------|------|
| 单路   | Single              | L | N | FG | -Vo  | NP   | NP | NP   | +Vo  |
| 双路隔离 | Imbalance load Dual | L | N | FG | -Vo1 | +Vo1 | NP | -Vo2 | +Vo2 |