

# CFAGE5 Series

## AC-DC module converter

电力专用电源



### 典型性能 FEATURES

- ◆ 5瓦功率输出 (5 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, 导轨式等安装方式

### 电气特性

#### ELECTRICAL SPECIFICATIONS

输入特性Input	Min	Nom	Max	Notes
输入电压Vac Input Voltage	100(150Vdc)	380	460(650Vdc)	
输入频率Hz Input Frequency	45		65	

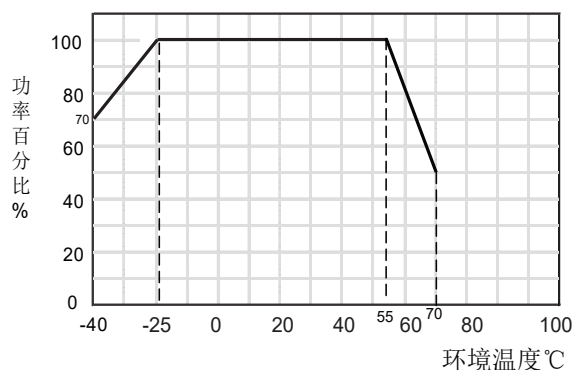
输出特性Output				
输出电压精度 Setpoint Accuracy		±1%		Vo1
		±3%		Vo2、Vo3
源效应 Line Regulation			±0.2%	
负载效应 Load Regulation			±0.5%	
纹波与噪声 Ripple and Noise			50mVp-p 100mVp-p 200mVp-p	Vo≤5Vdc Other Vo≥48Vdc
温度系数 Temperature Coefficient		±0.1%/°C		

综合特性General				
隔离电压 Isolation Voltage			3000Vac/1min/5mA 1500Vac/1min/5mA 500Vac/1min/5mA	Input-Output Input-Case Output- Case
开关频率 Switching Frequency	60KHz		100KHz	
MTBF		3×10 <sup>5</sup> h		
工作环境温度 (满载不降额) Storage Temperature	-25°C -40°C		+55°C +70°C	Industry 工业级 Military GS 军品筛选级
储存温度 Storage Temperature	-55°C		+125°C	
相对湿度 Relative Humidity	10%		90%	
短路保护 Short-Circuit Protection	短路自恢复			Continuous, Automatic Recovery

		输入电压(Vac) Input Voltage	输出电压(Vdc) Output Voltage	输出电流(A) Output Current	效率 Efficiency
单路	CFAGE5S05(Z)	100~460	Vo1/Vo2	Io1/Io2	78%
	CFAGE5S12(Z)	100~460	5	1	80%
	CFAGE5S15(Z)	100~460	12	0.41	81%
	CFAGE5S24(Z)	100~460	15	0.33	81%
双路	CFAGE5D05(Z)	100~460	24	0.208	81%
	CFAGE5D05(Z)	100~460	+5.05/-5.05	+0.5/-0.5	79%
	CFAGE5D12(Z)	100~460	+12/-12	+0.21/-0.21	82%
	CFAGE5D15(Z)	100~460	+15/-15	+0.17/-0.17	82%
	CFAGE5D24(Z)	100~460	+24/-24	+0.1/-0.1	82%
	CFAGE5D05-05I(Z)	100~460	+5.05/-5.05	+1/-0.1	82%
	CFAGE5D05-12I(Z)	100~460	+5/+12	+0.8/-0.1	82%
	CFAGE5D05-24I(Z)	100~460	+5/+24	+0.6/-0.1	82%

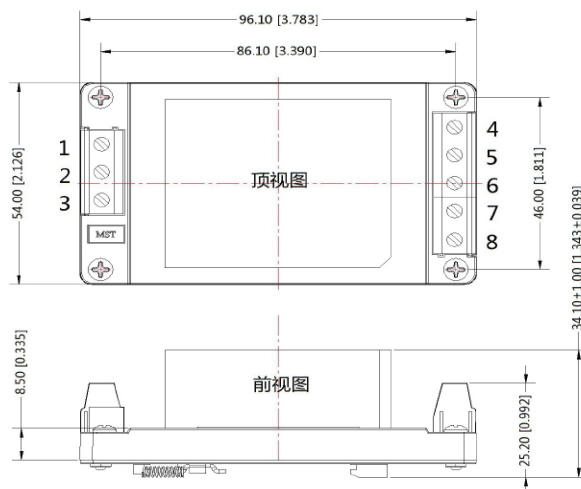
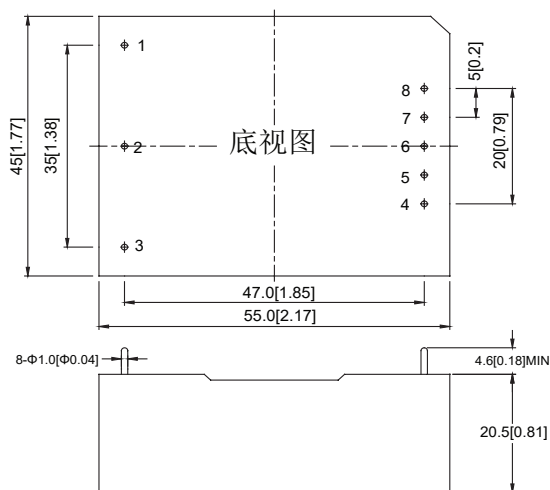
注：I:代表输出隔离 Z:代表带转接底座, 可选配

## 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
均载双路	Balance load Dual	L	N	FG	-Vo2	NP	COM	NP	+Vo1
非均载双路	Imbalance load Dual	L	N	FG	-Vo1	+Vo1	NC	-Vo2	+Vo2