

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 Input Voltage	100(150Vdc)	380	460(650Vdc)
输入频率 Hz Input Frequency	45		65

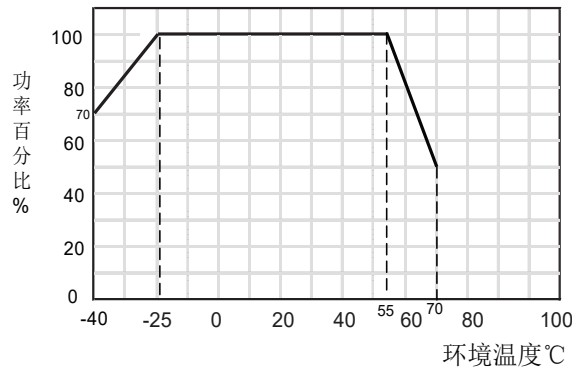
输出特性 Output			
输出电压精度 Setpoint Accuracy		±1%	Vo1
		±3%	Vo2、Vo3
源效应 Line Regulation			±0.2%
负载效应 Load Regulation			±0.5%
纹波与噪声 Ripple and Noise			50mVp-p 100mVp-p 200mVp-p
			Vo≤5Vdc Other Vo≥48Vdc
温度系数 Temperature Coefficient		±0.1%/°C	

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 ⁵ h	
工作环境温度 (满载不降额) Storage Temperature	-25°C -40°C -40°C		+55°C +70°C +70°C
			Industry 工业级 Military GS 军品筛选级 Military PJ 普军级
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)	输出电压(Vdc)	输出电流(A)	效率
		Input Voltage	Output Voltage	Output Current	Efficiency
单路	CFAGME10S05(Z)	100~460	Vo1/Vo2	Io1/Io2	78%
	CFAGME10S12(Z)	100~460	5	2	81%
	CFAGME10S15(Z)	100~460	12	0.83	81%
	CFAGME10S24(Z)	100~460	15	0.66	81%
双路	CFAGME10D05(Z)	100~460	24	0.42	81%
	CFAGME10D05(Z)	100~460	+5.05/-5.05	+1/-1	79%
	CFAGME10D12(Z)	100~460	+12/-12	+0.42/-0.42	81%
	CFAGME10D15(Z)	100~460	+15/-15	+0.33/-0.33	81%
	CFAGME10D24(Z)	100~460	+24/-24	+0.21/-0.21	81%
	CFAGME10D05-05I(Z)	100~460	+5.05/-5.05	+1.6/-0.4	81%
	CFAGME10D05-12I(Z)	100~460	+5/+12	+1.1/-0.4	81%
	CFAGME10D05-24I(Z)	100~460	+5/+24	+1.1/-0.2	81%

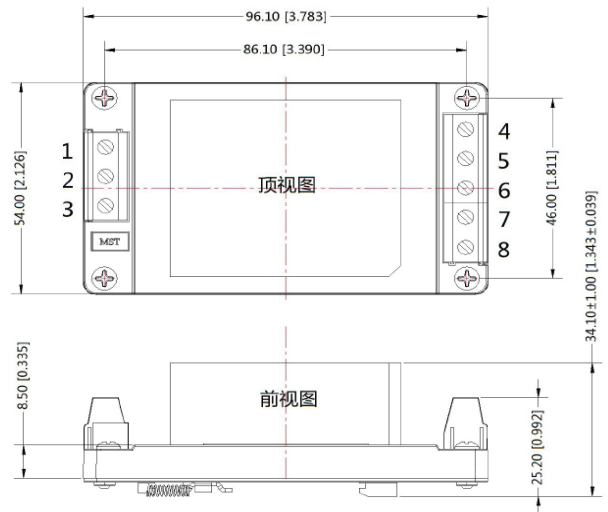
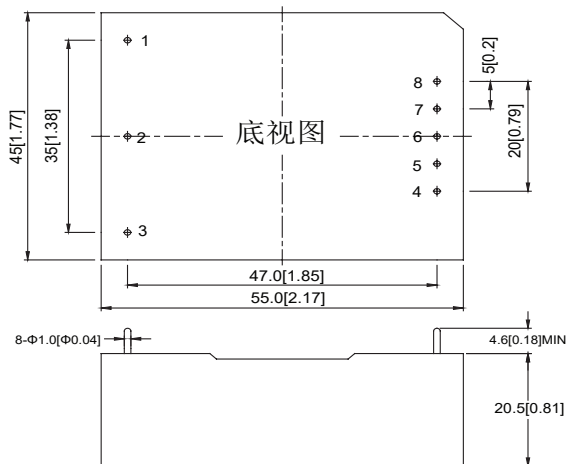
注: I:代表输出隔离
 Z:代表带转接底座, 可选配

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
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