

# CFAG15 Series

AC-DC module converter



## 典型性能 FEATURES

- ◆ 15瓦功率输出 (15 Watts of Output Power)
- ◆ 单、双路输出 (Single、Dual Outputs)
- ◆ 100VAC-460VAC宽电压输入 (Wide Input Range)
- ◆ 高隔离电压 (3000Vac Isolation)
- ◆ 金属外壳封装 (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
输入电压Vac Input Voltage	100Vac(150Vdc)	380Vac	460Vac(650Vdc)
输入频率Hz Input Frequency	45		65

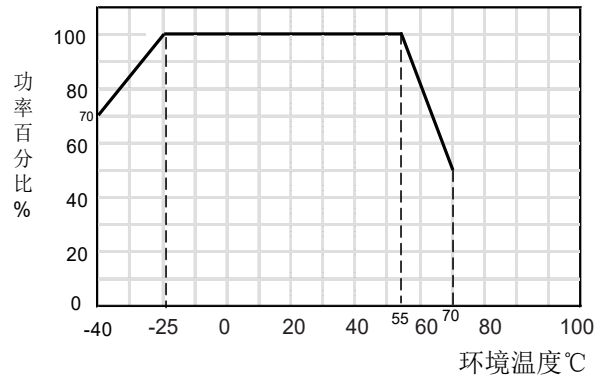
输出特性Output			
输出电压精度 Setpoint Accuracy		±1% ±3%	Vo1 Vo2、Vo3
源效应 Line Regulation			±0.2%
负载效应 Load Regulation			±0.5%
纹波与噪声 Ripple and Noise			50mVp-p 100mVp-p 200mVp-p Vo≤5Vdc Other Vo≥48Vdc
温度系数 Temperature Coefficient		±0.1%/°C	

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 -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	

型号 Model	输入电压(Vac) Input Voltage	输出电压(Vdc) Output Voltage	输出电流(A) Output Current	效率 Efficiency	
		Vo1/Vo2/Vo3	Io1/Io2/Io3		
15W单路	CFAG15S3V3(Z)	100~460	3.3	3.6	76%
	CFAG15S05(Z)	100~460	5.05	3	78%
	CFAG15S12(Z)	100~460	12	1.25	80%
	CFAG15S15(Z)	100~460	15	1	81%
	CFAG15S24(Z)	100~460	24	0.63	81%
	CFAG15S48(Z)	100~460	48	0.31	82%
15W双路	CFAG15D05(Z)	100~460	+5.05/-5.05	+1.5/-1.5	79%
	CFAG15D12(Z)	100~460	+12/-12	+0.63/-0.63	81%
	CFAG15D15(Z)	100~460	+15/-15	+0.5/-0.5	81%
	CFAG15D24(Z)	100~460	+24/-24	+0.33/-0.34	81%
	CFAG15D05-05(I)(Z)	100~460	5/5	3/0.1	80%
	CFAG15D05-12(I)(Z)	100~460	5/12	2.8/0.1	82%
	CFAG15D05-15(I)(Z)	100~460	5/15	2.7/0.1	82%
	CFAG15D05-24(I)(Z)	100~460	5/24	2.5/0.1	82%
	CFAG15D05M05(I)(Z)	100~460	5/5	2.8/0.2	80%
	CFAG15D05M12(I)(Z)	100~460	5/12	2.5/0.2	82%
	CFAG15D05M15(I)(Z)	100~460	5/15	2.4/0.2	82%
	CFAG15D05M24(I)(Z)	100~460	5/24	2/0.2	82%
	CFAG15D05H05(I)(Z)	100~460	5/5	2.5/0.5	80%
	CFAG15D05H12(I)(Z)	100~460	5/12	1.8/0.5	82%
	CFAG15D05H15(I)(Z)	100~460	5/15	1.8/0.4	82%
CFAG15D05H24(I)(Z)	100~460	5/24	1.6/0.4	82%	

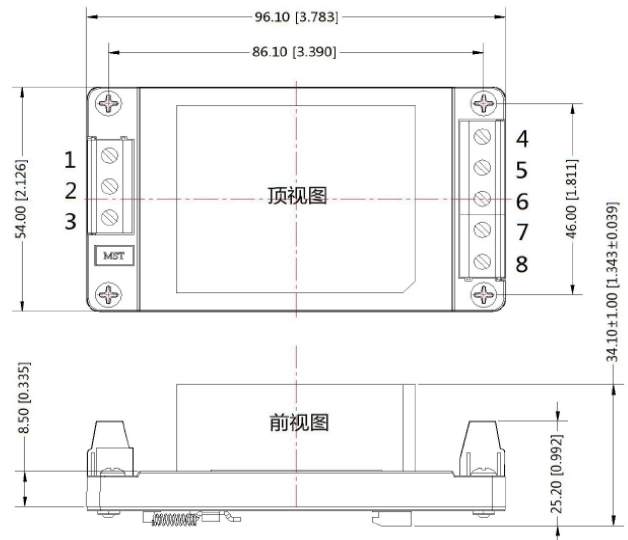
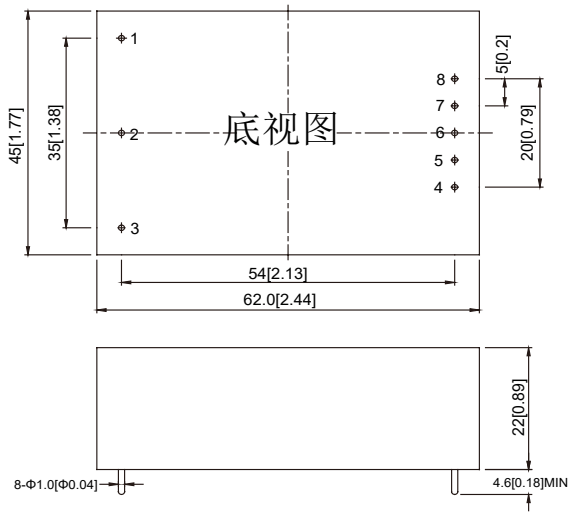
注：I:代表输出隔离  
 Z:代表带转接底座，可选配

### 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