

CFA100 Series

AC-DC module converter



典型性能 FEATURES

- ◆ 100瓦功率输出 (100 Watts of Output Power)
- ◆ 单路输出 (Single)
- ◆ 宽电压输入 (Wide Input Range)
- ◆ 六面金属屏蔽封装 (six sides metal encapsulation)
- ◆ 小型化封装 (Small Package)

电气特性

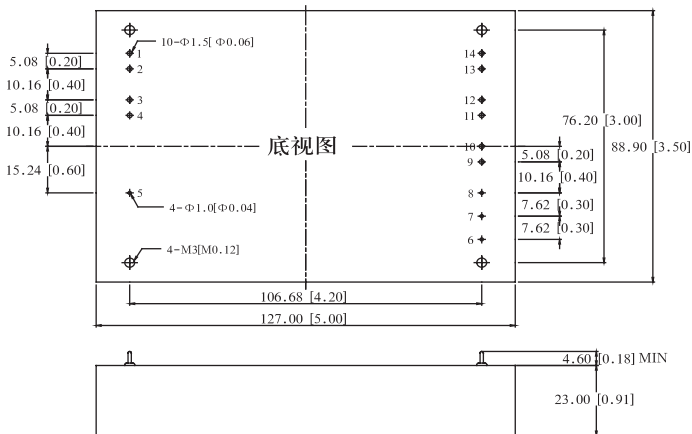
ELECTRICAL SPECIFICATIONS

输入特性Input	Min	Nom	Max	Notes
输入电压Vac Input Voltage	85(100Vdc)	220	265(375Vdc)	
输入频率Hz Input Frequency	45		65	
输出特性Output				
输出电压精度 Setpoint Accuracy		±1%		Vo1
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			2500Vac/1min/5mA 1500Vac/1min/5mA 500Vdc/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) Case 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		

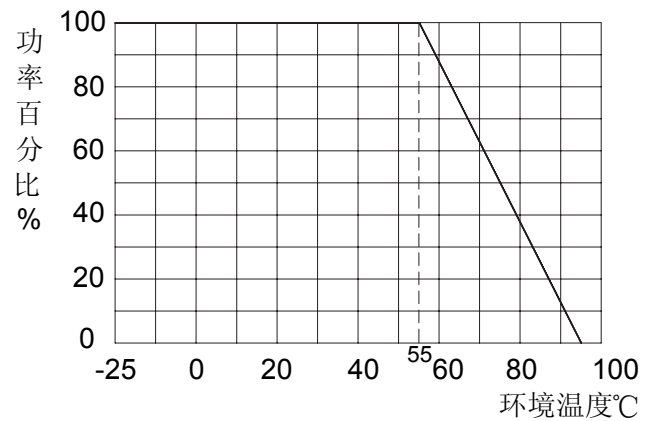
型号 Model	输入电压(Vac) Input Voltage	输出电压(Vdc) Output Voltage	输出电流(A) Output Current	效率 Efficiency
		Vo1/Vo2/Vo3	Io1/Io2/Io3	
CFA100S05	85~265	5.05	20	80%
CFA100S12	85~265	12	8.33	85%
CFA100S13V8	85~265	13.8	7.24	86%
CFA100S15	85~265	15	6.66	85%
CFA100S18	85~265	18	5.55	85%
CFA100S24	85~265	24	4.16	85%
CFA100S28	85~265	28	3.57	85%
CFA100S30	85~265	30	3.33	85%
CFA100S34	85~265	34	2.94	85%
CFA100S48	85~265	48	2.08	87%

机械图及管脚说明

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



温度/功率降额曲线



管脚 Pin	1	2	3	4	5	6	7	8	9	10	11	12	13	14
100W 单路 Single	L	L	N	N	FG	-S	TRIM	+S	NC	NC	-Vo	-Vo	+Vo	+Vo