

CFAM50 Series

AC-DC module converter



典型性能 FEATURES

- ◆ 50瓦功率输出(50 Watts of Output Power)
- ◆ 单、双路输出(Single、Dual、Outputs)
- ◆ 宽电压输入(Wide Input Range)
- ◆ 六面金属屏蔽封装(six sides metal encapsulation)
- ◆ M:小型化封装(Small Package) 80mm*55mm*24mm

电气特性

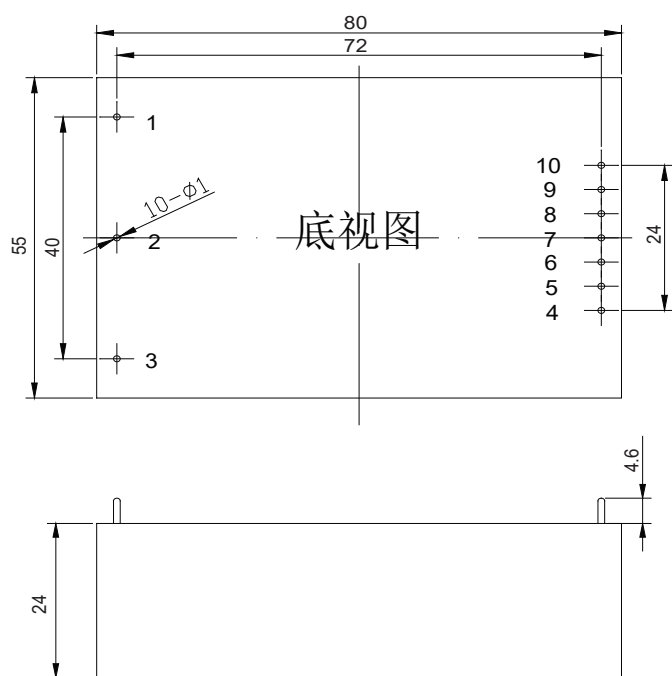
ELECTRICAL SPECIFICATIONS

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) ambient 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
单路	CFAM50S05	85~265	5.05	10	80%
	CFAM50S12	85~265	12	4.16	85%
	CFAM50S15	85~265	15	3.33	85%
	CFAM50S24	85~265	24	2.08	85%
	CFAM50S28	85~265	28	1.78	85%
	CFAM50S48	85~265	48	1.04	85%
双路	CFAM50D05(I)	85~265	+5.05/-5.05	+5/-5	82%
	CFAM50D12(I)	85~265	+12/-12	+2.08/-2.08	85%
	CFAM50D15(I)	85~265	+15/-15	+1.66/-1.66	85%
	CFAM50D05-05(I)	85~265	5.05/5.05	9/1	80%
	CFAM50D05-12(I)	85~265	5.05/12	9.7/0.1	82%
	CFAM50D05-15(I)	85~265	5.05/15	9.7/0.1	82%
	CFAM50D05-24(I)	85~265	5.05/24	9.5/0.1	82%

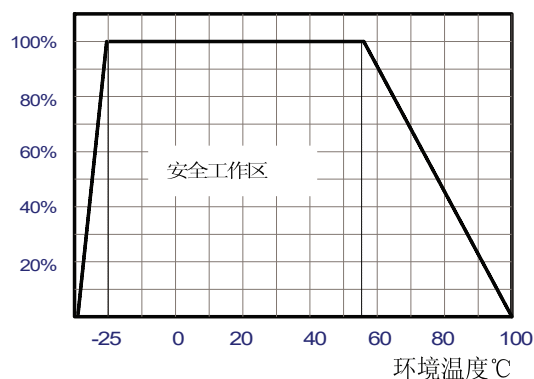
机械图及管脚说明

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



单位:mm

温度/功率降额曲线



管脚		Pin	1	2	3	4	5	6	7	8	9	10
50W	单路	Single	L	N	FG	NC	NC	NC	-Vo	-Vo	+Vo	+Vo
	双路	Dual	L	N	FG	+Vo2	-Vo2	NC	-Vo1	-Vo1	+Vo1	+Vo1