

CFAE3 Series

AC-DC module converter



典型性能 FEATURES

- ◆ 3瓦功率输出 (3 Watts of Output Power)
- ◆ 单、双、叁路输出 (Single、Dual、Triple Outputs)
- ◆ 宽电压输入 (Wide Input Range)
- ◆ 高隔离电压 (3000Vac Isolation)
- ◆ 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% ±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%/℃		
综合特性General				
隔离电压 Isolation Voltage			3000Vac/1min/5mA 1500Vac/1min/5mA 500Vac/1min/5mA 2500Vac/1min/5mA	Input-Output Input-Case Output- Case Input-Output*
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℃ -40℃ -40℃		+55℃ +70℃ +70℃	Industry 工业级 Military GS 军品筛选级 Military PJ 普军级
储存温度 Storage Temperature	-55℃		+125℃	
相对湿度 Relative Humidity	10%		90%	
短路保护 Short-Circuit Protection	短路自恢复	Continuous, Automatic Recovery		

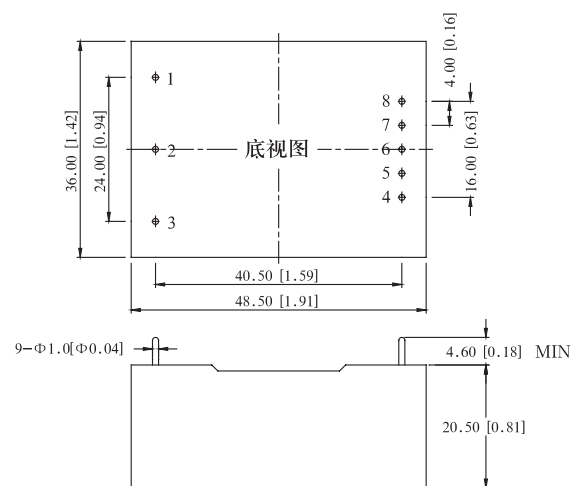
注1: *只限于金属壳封装。

注2: 工业级封装为塑壳, 其它等级为金属壳。

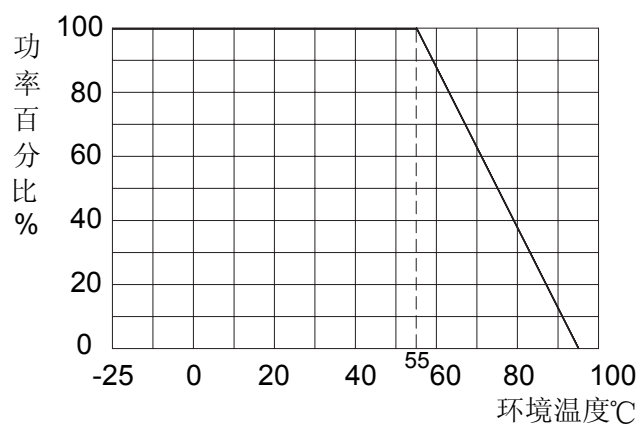
		输入电压(Vac) Input Voltage	输出电压(Vdc) Output Voltage	输出电流(A) Output Current	效率 Efficiency
			$V_{o1}/V_{o2}/V_{o3}$	$I_{o1}/I_{o2}/I_{o3}$	
3W单路	CFAE3S05	85~265	5	0.6	79%
	CFAE3S12	85~265	12	0.25	80%
	CFAE3S15	85~265	15	0.2	80%
	CFAE3S24	85~265	24	0.12	80%
双路	CFAE3D05	85~265	+5.05/-5.05	+0.3/-0.3	79%
	CFAE3D12	85~265	+12/-12	+0.125/-0.125	80%
	CFAE3D15	85~265	+15/-15	+0.1/-0.1	80%
	CFAE3D24	85~265	+24/-24	+0.063/-0.063	80%
	CFAE3D05-05I	85~265	5.05/5.05	+0.5/-0.1	79%
	CFAE3D05-12I	85~265	5/12	+0.36/-0.1	80%
	CFAE3D05-24I	85~265	5/24	+0.25/-0.06	80%
三路	CFAE3T05-05I	85~265	5/+5/-5	0.4/+0.1/-0.1	79%
	CFAE3T05-12I	85~265	5/+12/-12	0.36/+0.05/-0.05	80%

机械图及管脚说明

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



温度/功率降额曲线



注：金属壳尺寸(mm)：48.5*36.0*22.5

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
叁路	Triple	L	N	FG	-Vo1	+Vo1	-Vo3	COM	+Vo2