

CFA25 Series

AC-DC module converter



典型性能 FEATURES

- ◆ 25瓦功率输出 (25 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 (2500Vac Isolation)
- ◆ 效率高达85% (Efficiency 85%)

电气特性

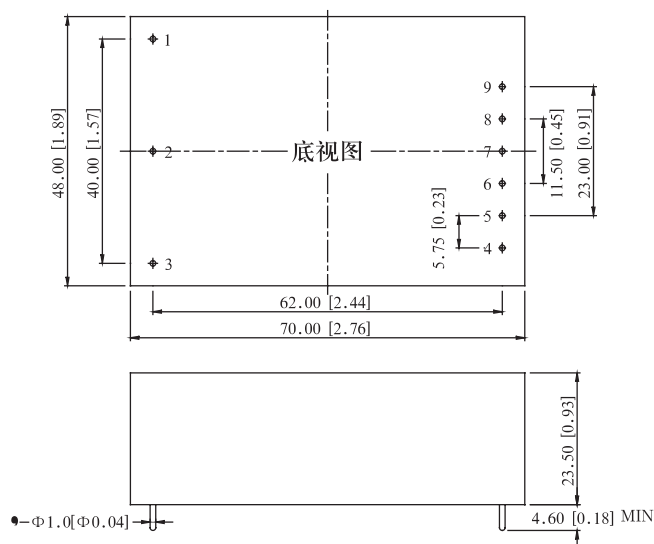
ELECTRICAL SPECIFICATIONS

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			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) Storage Temperature	-25℃ -40℃ -40℃		+55℃ +70℃ +70℃	Industry Military GS Military PJ
储存温度 Storage Temperature	-55℃		+125℃	工业级 军品筛选级 普军级
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	CFA25S05	85~265	Vo1/Vo2/Vo3 5.05	Io1/Io2/Io3 5	80%
	CFA25S12	85~265	12	2.08	84%
	CFA25S15	85~265	15	1.67	84%
	CFA25S18	85~265	18	1.38	84%
	CFA25S24	85~265	24	1.04	84%
	CFA25S48	85~265	48	0.52	85%
双路	CFA25D05	85~265	+5/-5	+2.5/-2.5	80%
	CFA25D12	85~265	+12/-12	+1.04/-1.04	84%
	CFA25D15	85~265	+15/-15	+0.83/-0.83	84%
	CFA25D24	85~265	+24/-24	+0.52/-0.52	85%
	CFA25D05-05(I)	85~265	5/5	5/0.1	78%
	CFA25D05-12(I)	85~265	5/12	4.8/0.1	81%
	CFA25D05-15(I)	85~265	5/15	4.7/0.1	81%
	CFA25D05-24(I)	85~265	5/24	4.5/0.1	81%
	CFA25D05M05(I)	85~265	5/5	4.8/0.2	78%
	CFA25D05M12(I)	85~265	5/12	4.5/0.2	83%
	CFA25D05M15(I)	85~265	5/15	4.4/0.2	83%
	CFA25D05M24(I)	85~265	5/24	4/0.2	83%
	CFA25D05H05(I)	85~265	5/5	3.5/1.5	78%
	CFA25D05H12(I)	85~265	5/12	3/1	83%
	CFA25D05H15(I)	85~265	5/15	3.5/0.5	83%
	CFA25D05H24(I)	85~265	5/24	3.5/0.3	83%
三路	CFA25T05M12I	85~265	5/+12/-12	4/+0.2/-0.2	81%
	CFA25T05M15I	85~265	5/+15/-15	3.8/+0.2/-0.2	81%
	CFA25T05M24I	85~265	5/+24/-24	3.1/+0.2/-0.2	81%
	CFA25T05H05I	85~265	5/+5/-5	3.4/+0.8/-0.8	78%
	CFA25T05H12I	85~265	5/+12/-12	3.1/+0.4/-0.4	81%
	CFA25T05H15I	85~265	5/+15/-15	2.6/+0.4/-0.4	81%
	CFA25T05H24I	85~265	5/+24/-24	2.6/+0.25/-0.25	81%

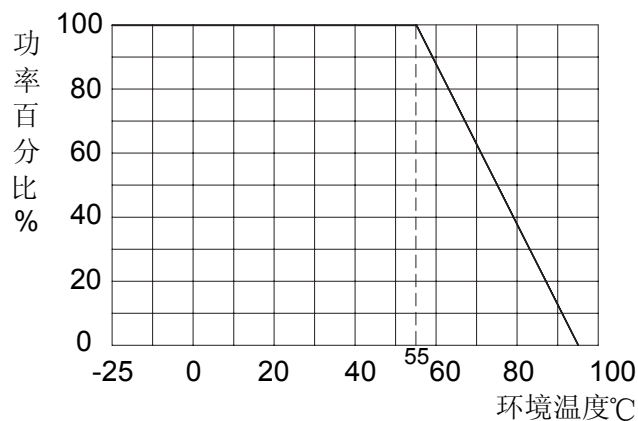
机械图及管脚说明

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



注：金属壳产品(mm): 72.0*49.5*23.5

温度/功率降额曲线



管脚 Pin	1	2	3	4	5	6	7	8	9
单路 Single	L	N	FG	TRIM	-Vo	NP	NP	NP	+Vo
均载双路 Balance load Dual	L	N	FG	NP	-Vo	NP	COM	NP	+Vo
非均载双路 Imbalance load Dual	L	N	FG	NP	-Vo1	+Vo1	NC	-Vo2	+Vo2
叁路 Triple	L	N	FG	NP	-Vo1	+Vo1	-Vo3	COM	+Vo2