

CFAME10 Series

AC-DC module converter



典型性能 FEATURES

- ◆ 10瓦功率输出 (10 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)
- ◆ M:小型化封装 (Small Package) 55mm*45mm*20.5mm

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
		±3%		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		

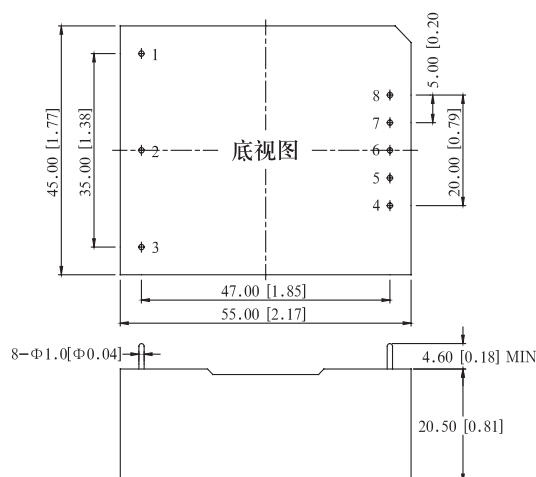
综合特性General				
隔离电压 Isolation Voltage			2500Vac/1min/5mA 1500Vac/1min/5mA 500Vac/1min/5mA	Input-Output Input-Case Output- Case
开关频率 Switching Frequency	60KHz		100KHz	
MTBF		3×10 ⁵ h		
工作环境温度 (满载不降额) Case Temperature	-25°C -40°C -40°C		+55°C +70°C +70°C	Industry Military GS Military PJ
储存温度 Storage Temperature	-55°C		+125°C	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
10W单路	CFAME10S3V3	85~265	Vo1/Vo2/Vo3	Io1/Io2/Io3	76%
	CFAME10S05	85~265	3.3	3	78%
	CFAME10S12	85~265	5.05	2	81%
	CFAME10S15	85~265	12	0.83	81%
	CFAME10S24	85~265	15	0.66	81%
	CFAME10S48	85~265	24	0.42	81%
10W双路	CFAME10D05	85~265	48	0.21	82%
	CFAME10D12	85~265	+5.05/-5.05	+1/-1	78%
	CFAME10D15	85~265	+12/-12	+0.41/-0.41	81%
	CFAME10D05-05I	85~265	+15/-15	+0.33/-0.33	81%
	CFAME10D05-12I	85~265	5/5	2.0/0.1	76%
	CFAME10D05-12I	85~265	5/12	1.8/0.1	78%
	CFAME10D05-15I	85~265	5/15	1.7/0.1	78%
	CFAME10D05-24I	85~265	5/24	1.5/0.1	80%
	CFAME10D05-48I	85~265	5/48	1/0.1	80%
	CFAME10D05M05I	85~265	5/5	1.8/0.2	76%
	CFAME10D05M12I	85~265	5/12	1.5/0.2	78%
	CFAME10D05M15I	85~265	5/15	1.4/0.2	78%
	CFAME10D05H05I	85~265	5/5	1.6/0.4	76%
	CFAME10D05H12I	85~265	5/12	1.1/0.4	80%
	CFAME10D05H15I	85~265	5/15	1.1/0.3	80%
10W三路	CFAME10T05-05I	85~265	5/+5/-5	1.8/+0.1/-0.1	76%
	CFAME10T05-12I	85~265	5/+12/-12	1.5/+0.1/-0.1	80%
	CFAME10T05-15I	85~265	5/+15/-15	1.4/+0.1+0.1	80%
	CFAME10T05M05I	85~265	5/+5/-5	1.6/+0.2/-0.2	76%
	CFAME10T05M12I	85~265	5/+12/-12	1.1/+0.2/-0.2	80%
	CFAME10T05M15I	85~265	5/+15/-15	1.1/+0.2/-0.2	80%
	CFAME10T05H05I	85~265	5/+5/-5	1/+0.5/0-0.5	80%
	CFAME10T05H12I	85~265	5/+12/-12	0.8/+0.25/-0.25	80%

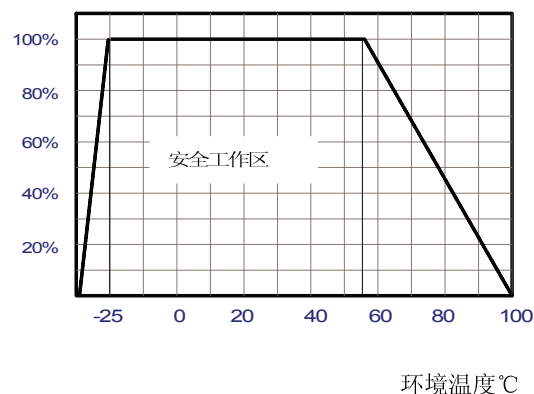
注：带I尾级产品为输出双路间隔离产品，不带I尾级产品为输出双路间非隔离产品

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
单路 Single	L	N	FG	-Vo	NP	NP	NP	+Vo
均载双路 Balance load Dual	L	N	FG	-Vo	NP	COM	NP	+Vo
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