

CFDM20 Series

DC-DC module converter



典型性能 FEATURES

- ◆ 20瓦功率输出 (20 Watts of Output Power)
- ◆ 宽电压输入 (4:1 Wide Input)
- ◆ 输入输出隔离 (Isolated Output)
- ◆ 长期短路保护, 自恢复 (Short Circuit Protection, Automatic Recovery)
- ◆ 小型化封装 (Small Package)

电气特性

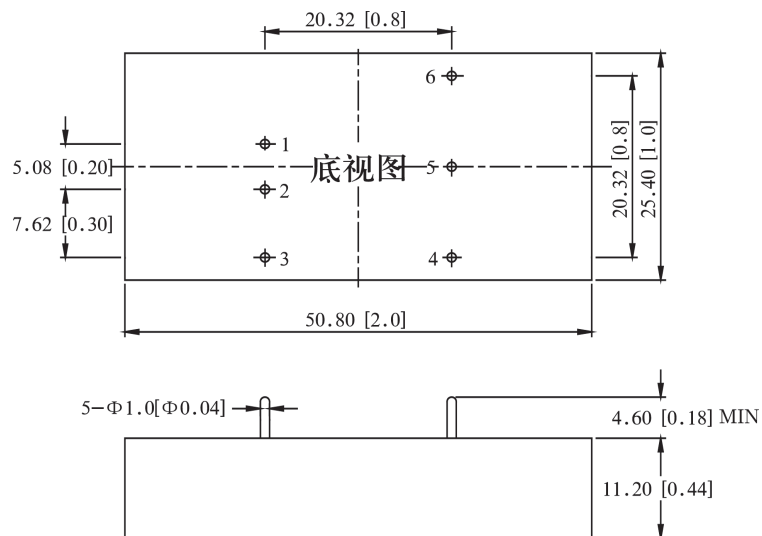
ELECTRICAL SPECIFICATIONS

输入特性Input	Min	Nom	Max	Notes
输入电压Vdc	9	24	36	
Input Voltage	18	48	75	
	40	110	160	
输出特性Output				
输出电压精度			±1%	Vo1
Setpoint Accuracy			±3%	Vo2
源效应			±0.2%	
Line Regulation				
负载效应			±0.5%	
Load Regulation				
动态响应			3%Vo Pk deviation	50~75% load
Dynamic Response			200μS settling time	50~25% load
纹波与噪声			50mVp-p	Vo≤5Vdc
Ripple and Noise			100mVp-p	Other
			200mVp-p	Vo≥48Vdc
温度系数		±0.02%/℃		
Temperature Coefficient				
综合特性General				
隔离电压			1500Vdc/1min/0.5mA	Input-Output
Isolation Voltage				
开关频率		300KHz		
Switching Frequency				
MTBF		1×10 ⁶ h		Bellcore TR332,25℃
工作环境温度 (满载不降额)	-40℃		+70℃	Industry 工业级
Case Temperature	-40℃		+70℃	Industry GS 军品筛选级
	-40℃		+70℃	Military PJ 普军级
	-55℃		+85℃	Military J 军品级
储存温度			+125℃	
Storage Temperature	-55℃			
相对湿度			90%	
Relative Humidity	10%			
短路保护	短路自恢复			
Short-Circuit Protection	Continuous, Automatic Recovery			

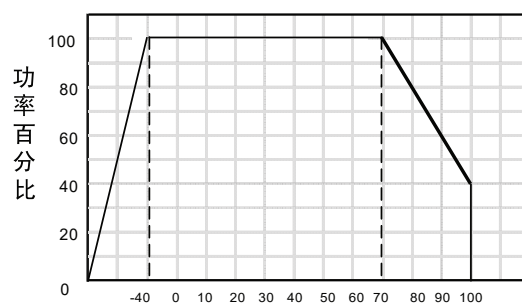
	型号 Model	输入电压(Vdc) Input Voltage	输出电压(Vdc) Output Voltage	输出电流(A) Output Current	效率 Efficiency
			Vo1/Vo2	Io1/Io2	
20W单路	CFDM20-24S03	9~36	3.3	5	86%
	CFDM20-24S05	9~36	5.05	4	90%
	CFDM20-24S09	9~36	9	2.22	88%
	CFDM20-24S12	9~36	12	1.67	90%
	CFDM20-24S15	9~36	15	1.3	90%
	CFDM20-24S18	9~36	18	1.11	90%
	CFDM20-24S24	9~36	24	0.83	90%
	CFDM20-24S48	9~36	48	0.41	90%
	CFDM20-48S03	18~75	3.3	5	86%
	CFDM20-48S05	18~75	5.05	4	90%
	CFDM20-48S09	18~75	9	2.22	90%
	CFDM20-48S12	18~75	12	1.67	90%
	CFDM20-48S15	18~75	15	1.3	90%
	CFDM20-48S18	18~75	18	1.11	90%
	CFDM20-48S24	18~75	24	0.83	90%
	CFDM20-110S03	40~160	3.3	5	80%
	CFDM20-110S05	40~160	5.05	4	83%
	CFDM20-110S09	40~160	9	2.22	90%
	CFDM20-110S12	40~160	12	1.67	90%
	CFDM20-110S15	40~160	15	1.3	90%
	CFDM20-110S24	40~160	24	0.83	90%

机械图及管脚说明

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



温度 / 功率降额曲线



环境温度℃

管脚 Pin	1	2	3	4	5	6
单路 Single	+Vin	-Vin	CNT	-Vo	TRIM	+Vo