

CFDH200 Series

DC-DC module converter



典型性能 FEATURES

- ◆ 工业标准1/2砖 (Industry Standard Half Brick)
- ◆ 宽电压输入 (2:1 Wide Input Range)
- ◆ 高隔离电压 (1500V Input-Output Isolation)
- ◆ 带有遥控和输出调节功能 (Control And Trim Functions)
- ◆ 高效率 (High Efficiency)

电气特性

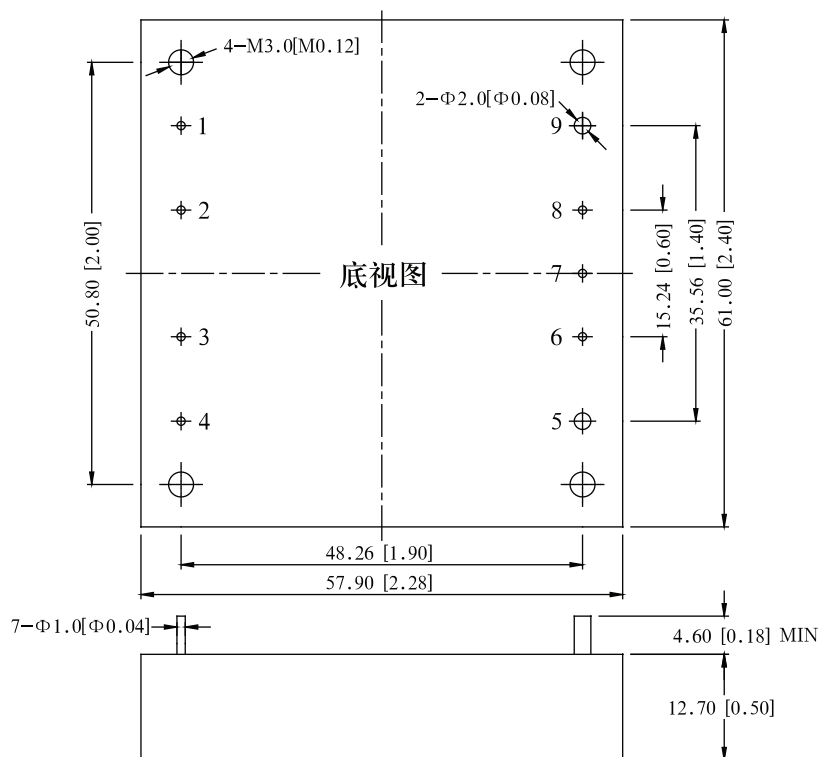
ELECTRICAL SPECIFICATIONS

输入特性Input	Min	Nom	Max	Notes
输入电压Vdc	18	24	36	
Input Voltage	36	48	72	
	66	110	160	
遥控		On		CNT悬空或接TTL高电平
Control		Off		CNT与-Vin相连
	尾缀/P	On		CNT与-Vin相连
		Off		CNT悬空或接TTL高电平
输出特性Output				
输出电压精度			±1%	
Setpoint Accuracy				
电压调节			±10%	
Trim Range				
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	
Ripple and Noise				
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			1000Vdc/1min/0.5mA	Input-Case
			500Vdc/1min/0.5mA	Output- Case
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℃	Military GS 军品筛选级
	-40℃		+70℃	Military PJ 普军级
	-55℃		+85℃	Military J 军品级
储存温度				
Storage Temperature	-55℃		+125℃	
相对湿度				
Relative Humidity	10%		90%	
短路保护	短路自恢复			
Short-Circuit Protection	Continuous, Automatic Recovery			

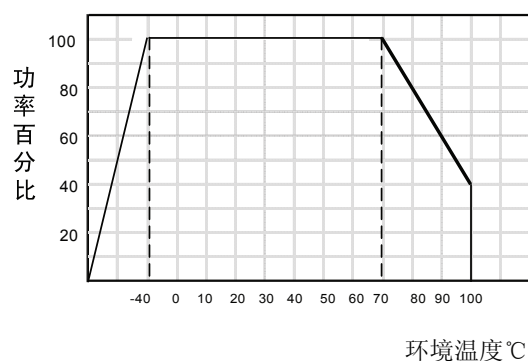
型号 Model	输入电压(Vdc) Input Voltage	输出电压(Vdc) Output Voltage	输出电流(A) Output Current	效率 Efficiency
CFDH200-24S3V3	18~36	3.3	60	87%
CFDH200-24S05	18~36	5.05	40	87%
CFDH200-24S12	18~36	12	16.66	86%
CFDH200-24S15	18~36	15	13.33	86%
CFDH200-24S24	18~36	24	8.33	86%
CFDH200-24S48	18~36	48	4.16	86%
CFDH200-48S3V3	36~72	3.3	60	88%
CFDH200-48S05	36~72	5.05	40	88%
CFDH200-48S12	36~72	12	16.66	87%
CFDH200-48S15	36~72	15	13.33	87%
CFDH200-48S24	36~72	24	8.33	87%
CFDH200-48S48	36~72	48	4.16	88%
CFDH200-110S05	66~160	5.05	40	87%
CFDH200-110S12	66~160	12	16.66	86%
CFDH200-110S13V8	66~160	13.8	14.49	86%
CFDH200-110S15	66~160	15	13.33	86%
CFDH200-110S24	66~160	24	8.33	86%
CFDH200-110S48	66~160	48	4.16	86%

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	9
功能 Function	-Vin	CASE	CNT	+Vin	+Vo	+S	TRIM	-S	-Vo