



特点

- * 外形尺寸: 61.0 × 57.9 × 12.7 mm
- * 工业标准半砖封装和引脚
- * 高效率、经济型、双控制器
- * 六面金属封装

Features

- * Size: 2.40 × 2.28 × 0.50 inch
- * Industry Standard Half-brick Package and Footprint
- * High Efficiency, Low Cost Design, Dual Controllers
- * Encapsulated in Metal Cases

输入特性(Input)

注释(Notes and Conditions)

输入电压范围(Input Voltage Range)			
标称(Nominal)	48Vdc	36~72Vdc	80Vdc Max
遥控功能(Remote On/Off Function)			
正逻辑(Positive Logic)	开启(On)	高电平或悬空 (High Level or Open Circuit)	相对于 -Vin (Reference to -Vin)
	关闭(Off)	零电平或短路 (Connect to -Vin)	

输出特性(Output)

注释(Notes and Conditions)

输出电压精度(Voltage Set-Point Accuracy)	± 1%	Vinom , Io1=Io2=3A
输出电压调节范围(Voltage Trim Range)	± 10%	
输出电流(Output Current)	0~6A	Io1+Io2
源效应(Line Regulation)	± 0.2%Vo	Vimin~Vimax , Io1=Io2=3A
负载效应(Load Regulation)	± 0.5%Vo	Vinom, 10%~100%Iomax, Another: Io=0
输出过流保护点(Current Limit Threshold Range)	≥ 110%Io	
短路保护(Short-Circuit Protection)	连续可恢复 (Continuous , Automatic Recovery)	
瞬态响应(Dynamic Response)		
过冲幅度(Peak Deviation)	± 5%Vo	25%-50%-25% of Iomax
恢复时间(Settling Time)	200 μs	and 50%-75%-50% of Iomax

一般特性(General)

注释(Notes and Conditions)

温度系数(Temperature Coefficient)	± 0.02%/℃	
隔离电压(Isolation Voltage)		
输入与输出(Input-Output)	1500Vdc 1min	
输入与外壳(Input-Case)	700Vdc 1min	
输出与外壳(Output-Case)	500Vdc 1min	
绝缘电阻(Isolation Resistance)	≥ 50M Ω	
工作壳温(Operating Case Temperature)	- 25℃ ~ + 85℃	
贮存温度(Storage Temperature)	- 40℃ ~ + 125℃	
冷却方式(Cooling)	自然冷却(Natural Convection)	
平均故障间隔时间(MTBF)	2 × 10 ⁵ h	MIL-HDBK-217
重量(Weight)	100g	

注: 除非另有说明, 指标一般在标称输入电压、满载和 25℃ 环境温度下测得。

Note: All specifications are typical at nominal input ,full load at 25℃ unless otherwise stated.

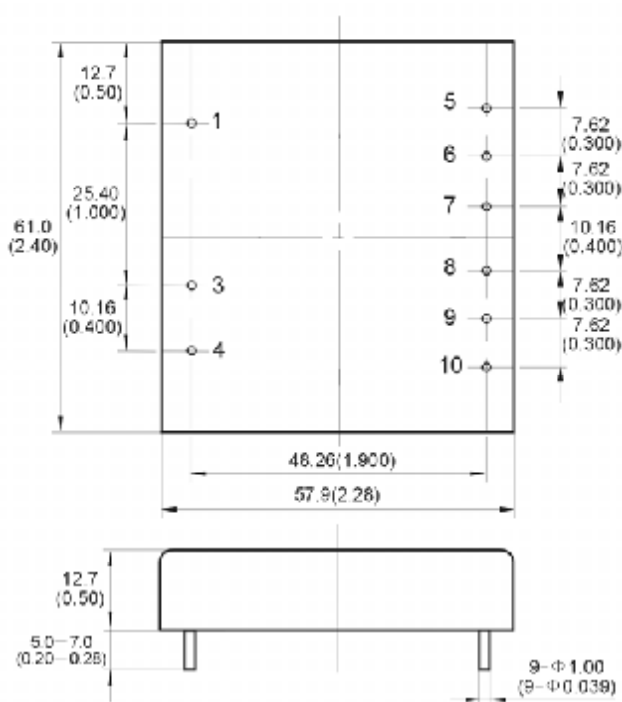
型号列表 (Models)

产品型号 (Model Number)	标称输入电压 (Input Voltage) Vdc	标称输出电压 (Output Voltage) Vdc		输出电流 (Output Current) A		最大输出功率 (Max.Output Power) W	效率* (Efficiency) %	输出杂音电压峰峰值* (Ripple and Noise) mVp-p
HC-030ABDC	48	3.3	2.5	0~6	0~6	20	85	100
HC-0301BDC	48	5.0	2.5	0~6	0~6	30	86	100
HC-0301ADC	48	5.0	3.3	0~6	0~6	30	87	100

注(Note):* Vin=48V, Io1=Io2=3A

安装尺寸 (Mechanical Drawing)

尺寸单位是 mm(inches); All Dimensions in mm (inches)



引脚定义 (Pin Definition)	
引脚(Pin)	双路(Dual)
1	-Vin
3	Rem
4	+Vin
5	+Vout2
6	-Vout2
7	Trim2
8	+Vout1
9	-Vout1
10	Trim1

未注公差按下表 (Tolerances Unless Otherwise Specified)	
mm	inches
.x ±0.5	.xx ±0.02
.xx ±0.13	.xxx ±0.005

注: 管脚6和管脚9在模块内部是连通的。(Pin6 and Pin7 are connected in module)

应用电路推荐 (Recommended Application Circuit)

温度降额曲线 (Temperature Derating Curve)

