



## 特点

- \* 外形尺寸: 61.0 × 57.9 × 12.7 mm
- \* 标准半砖外形和引脚
- \* 高效率、经济型
- \* 六面金属封装

## Features

- \* Size: 2.40 × 2.28 × 0.50 inch
- \* Standard Half-brick Package and Footprint
- \* High Efficiency ,Low Cost Design
- \* 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%	V <sub>nom</sub> and I <sub>nom</sub>
输出电压调节范围(Voltage Trim Range)	± 10%	
源效应(Line Regulation)	± 0.5%V <sub>o</sub>	V <sub>imin</sub> ~V <sub>imax</sub> , I <sub>nom</sub>
负载效应(Load Regulation)	± 1%V <sub>o</sub>	10%~100%I <sub>nom</sub> , V <sub>nom</sub>
输出过流保护点(Current Limit Threshold Range)	≥ 110%I <sub>o</sub>	
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%V <sub>o</sub>	25%-50%-25% of I <sub>nom</sub>
恢复时间(Settling Time)	200 μ s	and 50%-75%-50% of I <sub>nom</sub>

### 一般特性(General)

注释(Notes and Conditions)

温度系数(Temperature Coefficient)	± 0.02%/°C	
隔离电压(Isolation Voltage)		
输入与输出(Input-Output)	1000Vdc 1min	
输入与外壳(Input-Case)	500Vdc or 350Vac 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°C ~ + 85°C	
贮存温度(Storage Temperature)	- 40°C ~ + 125°C	
冷却方式(Cooling)	自然冷却(Natural Convection)	
平均故障间隔时间(MTBF)	2 × 10 <sup>5</sup> 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°C 环境温度下测得。

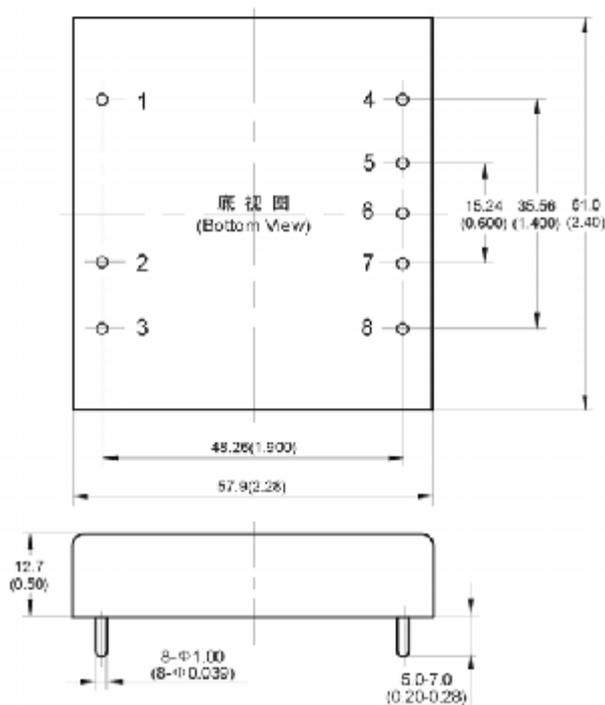
Note: All specifications are typical at nominal input ,full load at 25°C unless otherwise stated.

## 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	标称负载 (Output Current) A	额定输出功率 (Output Power) W	效率 (Efficiency) %	输出杂音电压峰值 (Ripple and Noise) mVp-p
HC-0301SC	48	5.00	6	30	88	150
HC-030ASC	48	3.30	8	26.4	85	150
HC-030BSC	48	2.50	8	20	81	150

## 安装尺寸 (Mechanical Drawing)

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



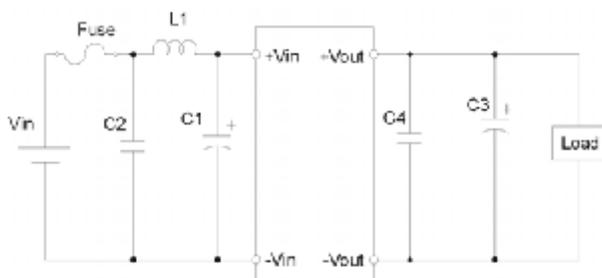
### 引脚定义 (Pin Definition)

引脚(Pin)	单路(Single)
1	-Vin
2	Rem
3	+Vin
4	-Vout
5	-S
6	Trim
7	+S
8	+Vout

### 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

## 应用电路推荐 (Recommended Application Circuit)



## 温度降额曲线 (Temperature Derating Curve)

