



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、高功率密度
- * 基板工作温度 100℃

Features

- * Size: 2.40 × 2.28 × 0.50 inch
- * Industry Standard Half-Brick Package and Footprint
- * High Efficiency, High Power Density
- * 100℃ Baseplate Operation

输入特性(Input)

注释(Notes and Conditions)

输入电压范围(Input Voltage Range)	36 ~ 72Vdc	80Vdc Max
输入欠压保护(Input Undervoltage Protection)	30 ~ 35Vdc	
遥控功能(Remote On/Off Function)		
负逻辑(Negative Logic) 开启(On)	低电平 (<0.4Vdc) 或与 -Vin 短接	相对于 -Vin (Reference to -Vin)
	(Low Level or Connect to -Vin)	
关闭(Off)	高电平 (4~40Vdc) 或悬空	
	(High Level or Open Circuit)	

输出特性(Output)

注释(Notes and Conditions)

输出电压精度(Voltage Set-Point Accuracy)	± 1%	Vinom and Ionom
输出电压调节范围(Output Voltage Trim Range)	+ 10% ~ - 20%	
源效应(Line Regulation)	± 0.3%Vo	Vimin~Vimax , Ionom
负载效应(Load regulation)	± 0.5%Vo	10%~100%Ionom, Vinom
输出过压保护(Output Overvoltage Protection)	120%~140%Vo	Shut down, Recovery after Module Restart
输出过流保护点(Current Limit Threshold Range)	≥ 105%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 Ionom
恢复时间 (Settling Time)	200 μ s	and 50%-75%-50% of Ionom

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)	1000Vdc 1min	
输入与外壳 (Input-case)	700Vdc 1min	
输出与外壳 (Output-case)	500Vdc 1min	
工作基板温度(Operating Baseplate Temperature)	-25℃~+100℃	
贮存温度(Storage Temperature)	-40℃~+125℃	
冷却方式(Cooling)	加装散热器	Attach heatsink
过温保护(Thermal Shutdown Range)	100℃~110℃	基板温度(Baseplate Temperature)
平均故障间隔时间(MTBF)	2 × 10 ⁵ h	MIL-HDBK-217

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

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

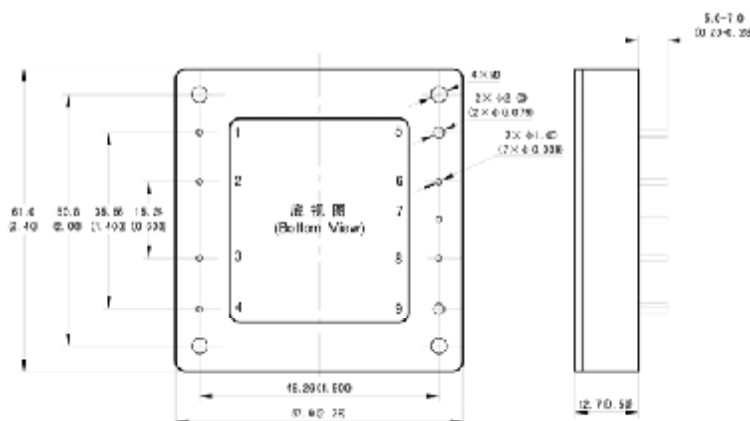
型号列表 (Models)

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
HDR-L30028SC	48	28	10.8	300	87	280
HDR-L3004SC	48	24	12.5	300	87	200

注: "-L" 型号遥控功能为负逻辑。(Model with "-L" is Negative Logic.)

安装尺寸 (Mechanical Drawing)

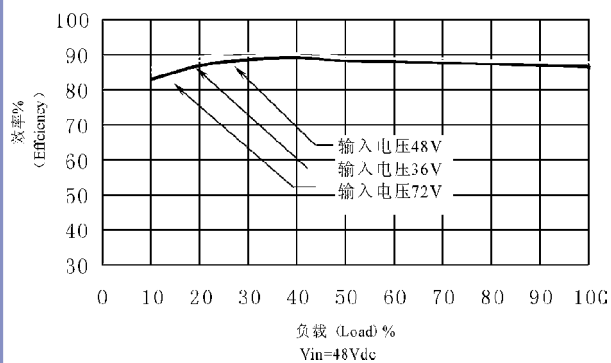
尺寸单位是 mm(inches); All Dimensions in mm (inches)



引脚定义 (Pin Definition)	
引脚 (Pin)	双路 (Dual)
1	-Vin
2	FG
3	Rem
4	+Vin
5	-Vout
6	-S
7	Trim
8	+S
9	+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

效率负载曲线 (Curve of Efficiency vs. Load)



输出电压调节 (Output Voltage Trim)

