



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 × 0.413inch
- * 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)	48Vdc	36 ~ 72Vdc	80Vdc Max
输入欠压保护 (Input Undervoltage Protection)		31~35Vdc	
遥控功能 (Remote On/Off Function)			
1) 正逻辑 (Positive Logic)	开启 (On)	高电平 (2.5 ~ 18Vdc) 或悬空 (High Level or Open Circuit)	相对于 -Vin (Reference to -Vin)
	关闭 (Off)	低电平 (<1.0Vdc) 或与 -Vin 短接 (Low Level (<1.0Vdc) or Connect to -Vin)	
2) 负逻辑 (Negative Logic)	开启 (On)	低电平 (<1.0Vdc) 或与 -Vin 短接 (Low Level (<1.0Vdc) or Connect to -Vin)	相对于 -Vin (Reference to -Vin)
	关闭 (Off)	高电平 (2.5~18Vdc) 或悬空 (High Level (2.5~18Vdc) 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%	
源效应 (Line Regulation)	± 0.2%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	Self Recovering
输出过流保护点 (Current Limit Threshold Range)	105%~150%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)	± 4%Vo	25%-50%-25% of Ionom
恢复时间 (Settling Time)	300 μs	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)	1500Vdc 1min	
输入与外壳 (Input-Case)	1000Vdc 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)	-55℃~+125℃	
冷却方式 (Cooling)	强制风冷或加装散热器	Forced Convection or 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
重量 (Weight)	80g	

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。

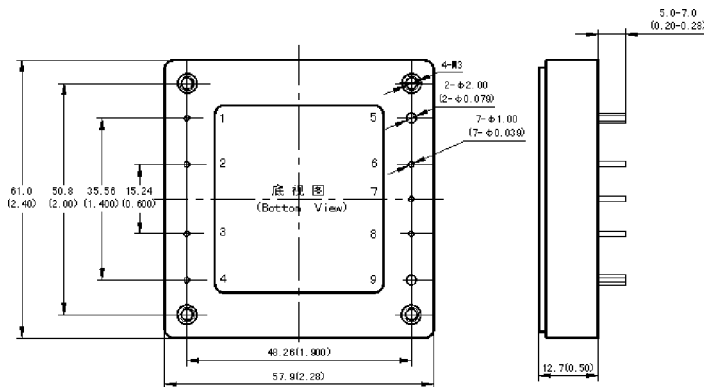
Note: All specifications are typical at nominal input, full load at 25℃ baseplate temperature unless otherwise stated.

型号列表 (Models)

产品型号 (Model Number)	标称输入电压 (Input Voltage)	标称输出电压 (Output Voltage)	标称负载 (Output Current)	额定输出功率 (Output Power)	效率 (Efficiency)	输出杂音电压峰峰值 (Ripple and Noise)
	Vdc	Vdc	A	W	%	mVp-p
HSR-2001SC-T	48	5.0	40	200	90	100
HSR-L2001SC-T	48	5.0	40	200	90	100
HSR-133ASC-T	48	3.3	40	133	89	100
HSR-L133ASC-T	48	3.3	40	133	89	100

安装尺寸 (Mechanical Drawing)

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



引脚定义 (Pin Definition)

Pin No.	Function	Pin No.	Function
1	-Vin	6	-S
2	F G	7	Trim
3	Rem	8	+S
4	+Vin	9	+Vout
5	-Vout		

未注公差按下表

(Tolerances Unless Otherwise Specified)	
mm	inches
.x \pm 0.5	.xx \pm 0.02
.xx \pm 0.13	.xxx \pm 0.005

效率负载曲线 (Curve of Efficiency vs. Load)

输出电压调节 (Output Voltage Trim)

