



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)			
标称(Nominal)	48Vdc	36 ~ 72Vdc	80Vdc Max
标称(Nominal)	24Vdc	18 ~ 36Vdc	40Vdc Max
输入欠压保护(Input Undervoltage Protection) <36Vdc(IN:48Vdc); <18Vdc(IN:24Vdc)			
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(<1.4Vdc)或与 -Vin 短接 (Low Level or Connect to -Vin)	
2) 负逻辑(Negative Logic)	开启(On)	低电平(<0.4Vdc)或与 -Vin 短接 (Low Level or Connect to -Vin)	相对于 -Vin(Reference to -Vin)
	关闭(Off)	高电平(1.4 ~ 18Vdc)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%		
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)	110%~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)	± 5%Vo	25%-50%-25% of Ionom	
恢复时间(Settling Time)	200 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)	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℃	(后缀“(B)”:-40℃) Suffix“(B)”:-40℃	
贮存温度(Storage Temperature)	-40℃~+125℃		
冷却方式(Cooling)	加装散热器或强制风冷	Attach Heatsink or Forced Convection	
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)	输出杂音电压峰值 (Ripple and Noise)
	Vdc	Vdc	A	W	%	mVp-p
HDR-1209SC	48	9.0 *	13	120	84	200
HDR-0502SC	48	12.0	4.2	50	86	100
HDR-1002SC	48	12.0	8.4	100	85	100
HDR-1502SC	48	12.0	12.5	150	84	100
HDR-1502SC-T	48	12.0	12.5	150	90	100
HDR-0503SC	48	15.0	3.3	50	87	100
HDR-0753SC	48	15.0	5	75	87	100
HDR-1003SC	48	15.0	6.67	100	85	100
HDR-1503SC	48	15.0	10	150	85	100
HDR-1004SC	48	24.0	4.2	100	86	200
HDR-1504SC	48	24.0	6.3	150	87	200
HDR-15026SC	48	26.0	5.8	150	87	200
HDR-15026SC-T	48	26.0	5.8	150	87	200
HDR-0502SB	24	12.0	4.2	50	85	100
HDR-1002SB	24	12.0	8.4	100	85	100
HDR-1502SB-T	24	12.0	12.5	150	88	100
HDR-0503SB	24	15.0	3.3	50	85	100
HDR-1003SB	24	15.0	6.67	100	85	100
HDR-05020SB	24	20.0	7.5	150	86	200
HDR-0504SB	24	24.0	2.1	50	86	200
HDR-1004SB	24	24.0	4.2	100	85	200
HDR-05028SB	24	28.0	1.8	50	86	200
HDR-0505SB	24	48.0	1.04	50	86	200
HDR-1505SB	24	48.0	3.1	150	86	300

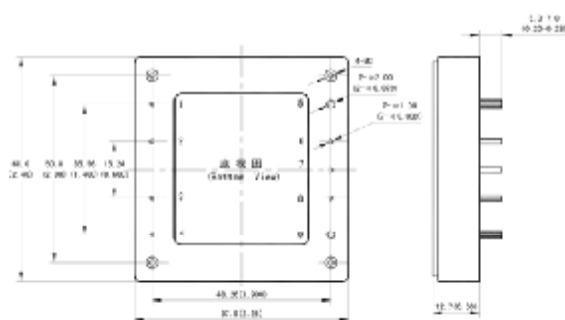
注：1. 负逻辑遥控功能的产品在定货时须在型号中加“L”。如HDR-1002SC为正逻辑遥控功能，要定负逻辑遥控功能的产品型号为HDR-L1002SC。型号中有后缀“-T”的产品其输出电压调节方式不同。

2. *注：HDR-1209SC的输出电压可以下调到6V。

(Notes: 1, The standard product features Remote on/off Positive Logic, the Negative Logic is optional by adding the big letter 'L' to the model number, for example, HDR-L1002SC model number indicates Negative Logic, but HDR-1002SC indicates Positive Logic. Model Numbers with suffix '-T' have different output voltage adjustment.

2, *note: Output voltage of HDR-1209SC model number can be adjusted to 6V.)

安装尺寸 (Mechanical Drawing)



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

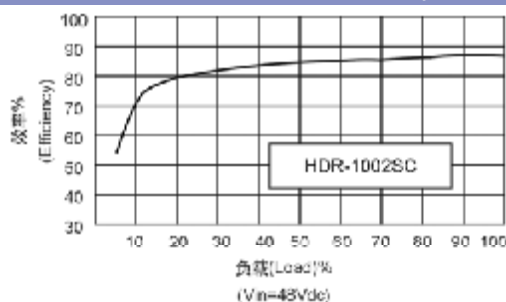
引脚定义 (Pin Definition)

Pin	Function	Pin	Function
1	-Vin	6	-S
2	FG	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 ±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)

