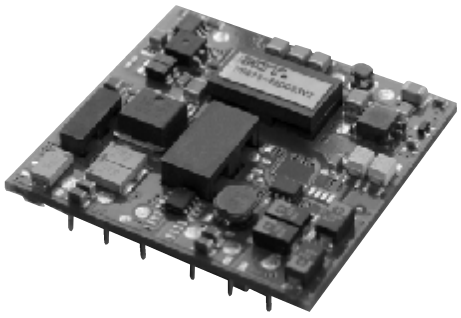
HSR15 75W Series



特 点

* 外形尺寸: 61.0 × 57.9 × 10.5 mm
* 工业标准半砖封装和引脚
* 独立调整双路输出
* 工作温度范围宽(- 40℃ + 85℃)

Features

* Size: 2.40 × 2.28 × 0.413 inch
* Industry Standard Half-Brick Package and Footprint
* Independently-regulated Dual Outputs
* Wide Operation Temperature Range (- 40℃ + 85℃)

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)	逻辑高电平或悬空		相对于 -Vin (Reference to -Vin)
		(Logic High Level or Open Circuit)		
	关闭(Off)	逻辑低电平或与 -Vin 短接		
		(Logic Low Level or Connect to -Vin)		
2) 负逻辑(Negative Logic)	开启(On)	逻辑低电平或与 -Vin 短接		相对于 -Vin (Reference to -Vin)
		(Logic Low Level or Connect to -Vin)		
	关闭(Off)	逻辑高电平或悬空		
		(Logic 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%	Vinnom and Ionom
输出电流范围(Output Current Range)	0~15A	Io1+Io2 ⩽ 15A
输出电压调节范围(Output Voltage Trim Range)	Vo1: ± 10%; Vo2: ± 10%	
源效应(Line Regulation)	Vo1: ± 0.2%; Vo2: ± 0.2%	Vimin ~ Vimax , Io1=Io2=7.5A
负载效应(Load regulation)	Vo1: ± 0.5%; Vo2: ± 0.5%	Vinom,10%~100%Iomax, Another:Io=0
输出过压保护(Output Overvoltage Protection)	115%~140%Vo	Po＜Pomax
输出过流保护点(Current Limit Threshold)	16.5~25A	Vinom , Io1+Io2
短路保护(Short-Circuit Protection)	间歇可恢复	
	(Hiccup , Automatic Recovery)	
瞬态响应(Dynamic Response)		
过冲幅度(Peak Deviation)	± 5%Vo	25%-50%-25% and 50%-75%-50% of
恢复时间(Settling Time)	200 μ s	Ionom,Another : Io=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	Leakage Current=10mA
工作环境温度(Ambient Temperature)	-40℃~+85℃	
贮存温度(Storage Temperature)	-40℃~+125℃	
冷却方式(Cooling)	强制风冷	Forced Convection
过温保护(Thermal Shutdown Range)	110℃ ± 10℃	基板温度(Baseplate Temperature)
平均故障间隔时间(MTBF)	2 × 10^5h	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℃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)

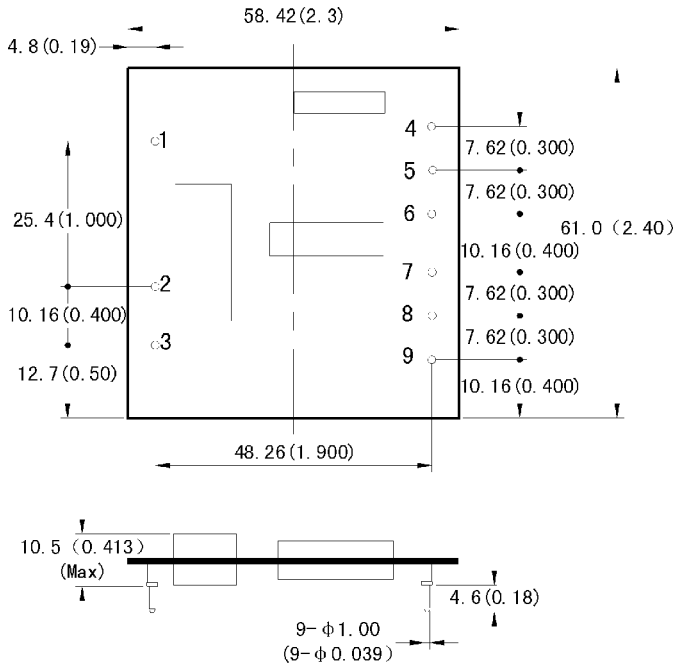
产品型号 (Model Number)	标称输入电压 (Input Voltage) Vdc	标称输出电压 (Output Voltage) Vdc	输出电流 (Output Current) A	最大输出功率 (Max.Output Power) W	效率* (Efficiency) %	输出杂音电压峰峰值* (Ripple and Noise) mVp-p
HSR15-48D053V3	48	5.0/3.3	7.5/7.5	75	88	100/100
HSR15-48D053V3-L	48	5.0/3.3	7.5/7.5	75	88	100/100

注（Note）： *: "-L" 型号遥控功能为负逻辑。（ Model with "-L" is Negative Logic.)
**:Vin=48V, Io1=Io2=7.5A

安装尺寸(Mechanical Drawing)

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

底视图(Bottom View)

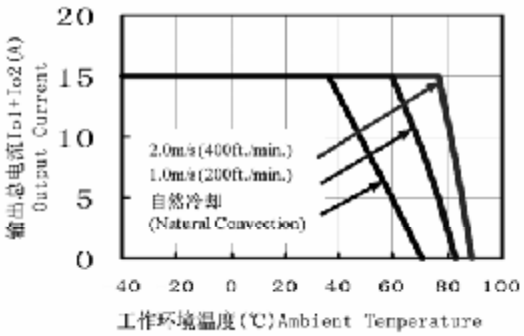


引脚定义(Pin Definition)	
引脚(Pin)	双路(Dual)
1	-Vin
2	Rem
3	+Vin
4	+Vout2
5	-Vout2
6	Trim2
7	+Vout1
8	-Vout1
9	Trim1

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5和管脚8在模块内部是连通的。(-Vout2 and -Vout1 are connected in module)

应用电路推荐(Recommended Application Circuit)



输出电压调节(Output Voltage Trim)