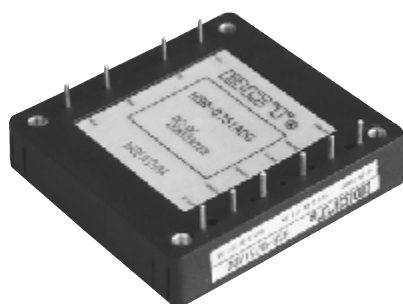




特点

- * 外形尺寸: 61.0 × 57.9 × 12.7 mm
- * 工业标准半砖封装和引脚
- * 独立调整双路输出
- * 基板工作温度 100℃

Features

- * Size: 2.40 × 2.28 × 0.50 inch
- * Industry Standard Half-Brick Package and Footprint
- * Independently-regulated Dual Outputs
- * 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	45Vdc 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	相对于 -Vin (Reference to -Vin)
	关闭(Off)	低电平(< 1.4Vdc)或与 -Vin 短接	
(High Level or Open Circuit)			
2) 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)
	关闭(Off)	高电平(1.4 ~ 18Vdc)或悬空	
(Low Level or Connect to -Vin)			
(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)	V _{nom} ± 0.05Vdc	V _{innom} and I _{onm}
输出电流范围(Output Current Range)	0~15A	I _{o1} +I _{o2} ≤ 15A
输出电压调节范围(Output Voltage Trim Range)	V _{o1} : ± 10%; V _{o2} : ± 10%	
源效应(Line Regulation)	V _{o1} : ± 0.5%; V _{o2} : ± 1%	V _{imin} ~ V _{imax} , I _{o1} =I _{o2} =7.5
负载效应(Load regulation)	V _{o1} : ± 1%; V _{o2} : ± 1%	V _{inm} , 10%~100%I _{omax} , Another I _o =0
输出过压保护(Output Overvoltage Protection)	115%~140%V _o	P _o < P _{omax}
输出过流保护点(Current Limit Threshold)	16.5~25A	V _{inm} , I _{o1} +I _{o2}
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%V _o	25%-50%-25% and 50%-75%-50% of
恢复时间(Settling Time)	200 μs	I _{omax} , Another I _o =10%I _{omax}

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	
输入与基板(Input-Baseplate)	1000Vdc 1min	
输出与基板(Output-Baseplate)	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℃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)

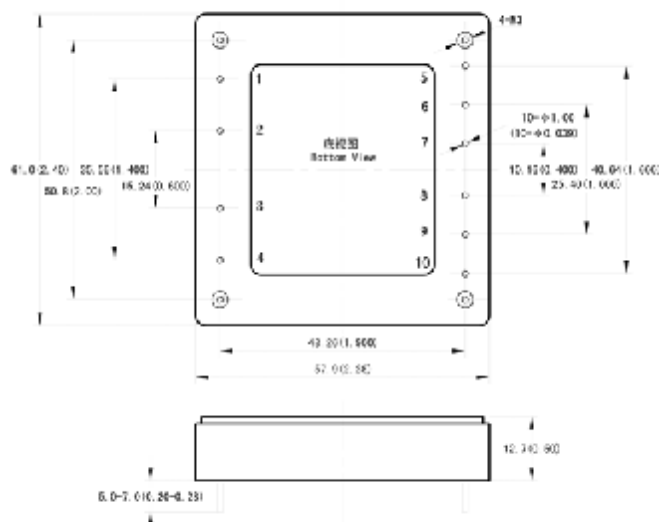
产品型号 (Model Number)	标称输入电压 (Input Voltage) Vdc	标称输出电压 (Output Voltage) Vdc	标称负载 (Output Current) A	额定输出功率 (Output Power) W	效率 ** (Efficiency) %	输出杂音电压峰峰值 (Ripple and Noise) mVp-p
HDR-0458ADC	48	8.0/3.3	3.2/6.0*	45	80	100
HSR-0751ADC	48	5.0/3.3	7.5/7.5	75	82	100
HSR-075ABDC	48	3.3/2.5	7.5/7.5	50	80	100
HSR-0751EDC	48	5.0/1.8	7.5/7.5	75	80	100
HSR-075AEDC	48	3.3/1.8	7.5/7.5	50	78	100
HSR-L0751ADC*	48	5.0/3.3	7.5/7.5	75	82	100
HSR-L075ABDC*	48	3.3/2.5	7.5/7.5	50	80	100
HSR-L0751EDC*	48	5.0/1.8	7.5/7.5	75	80	100
HSR-L075AEDC*	48	3.3/1.8	7.5/7.5	50	78	100
HSR-0751ADB	24	5.0/3.3	7.5/7.5	75	86	100

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

** : Vin=48V, 标称负载状态。HDR-0458ADC 产品, 8V 输出电流 ≤ 5.6A, 3.3V 输出电流 ≤ 10A。

安装尺寸 (Mechanical Drawing)

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

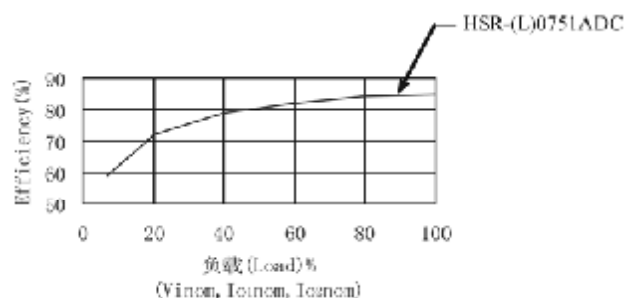


引脚定义 (Pin Definition)	
引脚(Pin)	单路(Single)
1	-Vin
2	FG
3	Rem
4	+Vin
5	+Vout2
6	-Vout2
7	Trim2
8	+Vout1
9	-Vout1
10	Trim1

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 6 和管脚 9 在模块内部是连通的。
(-Vout2 and -Vout1 are connected in module)

效率负载曲线 (Curve of Efficiency vs. Load)



输出电压调节 (Output Voltage Trim)

