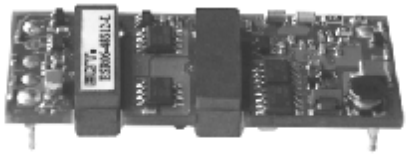
ESR06 32~72W Series



特 点

* 外形尺寸: 57.9 × 22.8 × 9.8 mm
* 工业标准八分之一砖外形和引脚
* 高效率 92.5%(12V/6A)
* 工作温度范围宽(-40℃ - +85℃)

Features

* Size: 2.28 × 0.90 × 0.38 inch
* Industry standard Eight-Brick Footprint & Pin-out
* High Efficiency 92.5% (12V/6A)
* 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	36~75Vdc	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(3.5~18V)或悬空		相对于 -Vin (Reference to -Vin)
		(High Level (3.5~18V) or Open Circuit)		
	关闭(Off)	低电平(0~1.0V)或与 -Vin 短接		
		(Low Level (0~1.0V) or Connect to -Vin)		
2) 负逻辑(Negative Logic)	开启(On)	低电平或与 -Vin 短接		相对于 -Vin (Reference to -Vin)
		(Low Level or Connect to -Vin)		型号后加后缀 “-L”
	关闭(Off)	高电平或悬空		(Adding the Suffix“-L” to the Model Number)
		(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
输出电压调节范围(Output Voltage Trim Range)	± 10%Vo	Vinnom
源效应(Line Regulation)	± 0.2%Vo	Vimin < Vi < Vimax
负载效应(Load regulation)	± 0.5%Vo	0~100%Ionom
输出过压保护(Output Overvoltage Protection)	115%~135%Vo	自恢复(Auto Automatic matic Recovring)
输出过流保护点(Current Limit Threshold)	105%~140%Ionom	
短路保护(Short-Circuit Protection)	间歇可恢复	
	(Hiccup , Automatic Recovery)	
输出外接电容(Output Capacitance)	0 ~ 1000 μ F(8V:2200 μ F)	
瞬态响应(Dynamic Response)		
过冲幅度(Peak Deviation)	300mV	25%-50%-25%Ionom
恢复时间(Settling Time)	100 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)	1500Vdc 1min	≤5mA (Leakage Current)
过温保护(Over Temperature Protection)	105℃自恢复(Automatic Recovery)	
工作环境温度(Operating Ambient Temperature)[1]	-40℃~+85℃	
贮存温度(Storage Temperature)	-55℃~+125℃	
冷却方式(Cooling)	自然冷却 (Natural Convection)	或强制风冷(or Forced Convection)
绝缘电阻(Isolation Resistance)	50M Ω	
平均故障间隔时间(MTBF)	5 × 10^5h	MIL-HDBK-217

注：除非另有说明，指标一般在标称输入电压、满载和环境温度 25℃,风速为 1m/s(200ft/min)下测得。
Note：All specifications are typical at nominal input ,full load atTa= 25℃,airflow rates of 1m/s (200ft/min) unless otherwise stated.

1.参见降额曲线图 (Reference to Derating Curve)

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型号列表(Models)

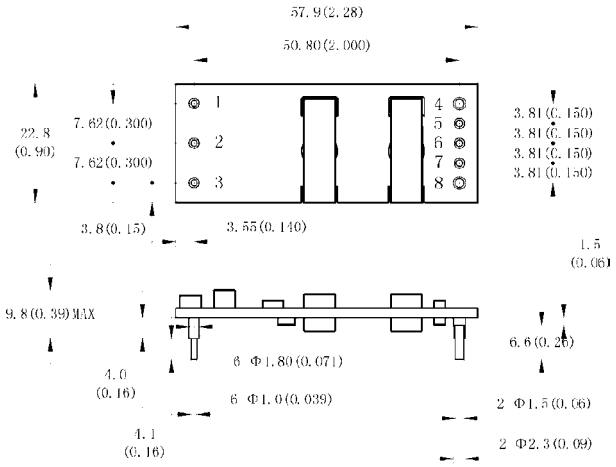
产品型号 (Model Number)	标称输入电压 (Input Voltage) Vdc	标称输出电压 (Output Voltage) Vdc	标称负载 (Output Current) A	最大输出功率 (Output Power) W	效率 (Efficiency) %	输出杂音电压峰峰值 (Ripple and Noise) mVp-p
ESR04-48S8	48	8.0	4.0	32	90	100
ESR04-48S8-L	48	8.0	4.0	32	90	100
ESR06-48S8	48	8.0	6.0	48	91	100
ESR06-48S8-L	48	8.0	6.0	48	91	100
ESR04-48S12	48	12.0	4.0	48	92	100
ESR04-48S12-L	48	12.0	4.0	48	92	100
ESR06-48S12	48	12.0	6.0	72	92.5	100
ESR06-48S12-L	48	12.0	6.0	72	92.5	100

注: 1. "-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)

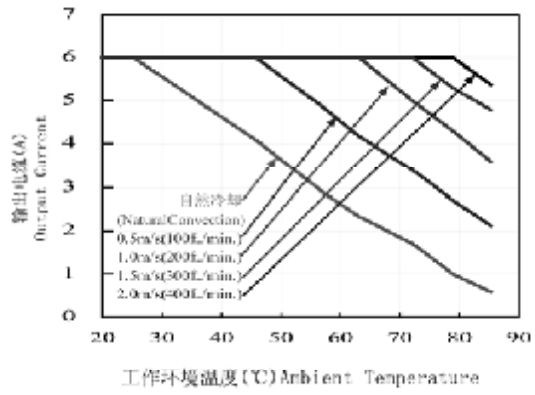
底视图(Bottom View)



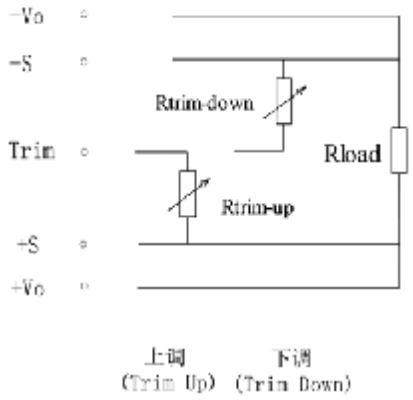
引脚定义(Pin Definition)	
引脚(Pin)	单路(Single)
1	-Vin
2	REM
3	+Vin
4	-Vout
5	-S
6	Trim
7	+S
8	+Vout

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

Vin=48V 温度降额曲线(Vin=48V Temperature Derating Curve)



输出电压调节(Output Voltage Trim)



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