



特点

- * 外形尺寸: 116.8 × 61.0 × 12.7 mm
- * 工业标准全砖封装和引脚
- * 高效率、高功率密度
- * 基板工作温度 100℃

Features

- * Size: 4.60 × 2.40 × 0.50 inch
- * Industry Standard Full-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)	36 ~ 72Vdc	80Vdc Max	
输入欠压保护(Input Undervoltage Protection)	<36Vdc		
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(<0.5Vdc)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 or 500Vac 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)	- 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)	155g		

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)

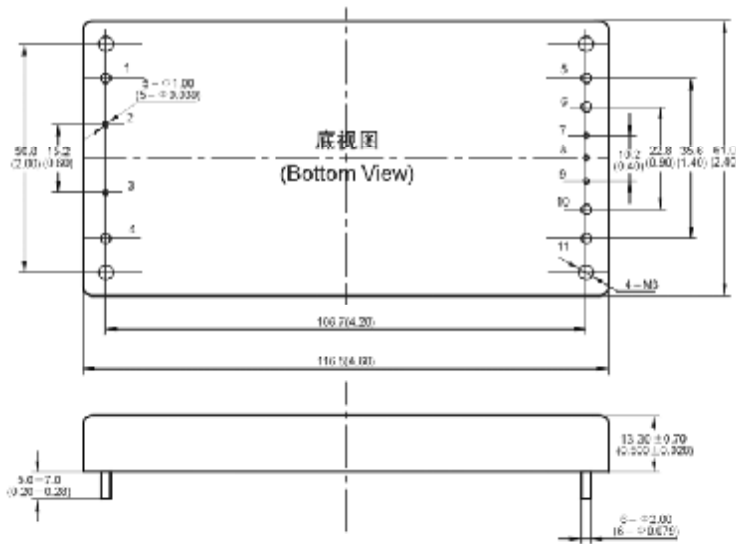
产品型号 (Model Number)	标称输入电压 (Input Voltage) Vdc	标称输出电压 (Output Voltage) Vdc	标称负载 (Output Current) A	额定输出功率 (Output Power) W	效率 (Efficiency) %	输出杂音电压峰值 (Ripple and Noise) mVp-p
FSR-H200ASC	48	3.3	60	200	84	100
FSR-L200ASC	48	3.3	60	200	84	100
FSR-H3001SC	48	5.0	60	300	86	100
FSR-L3001SC	48	5.0	60	300	86	100

注：“-H”型号遥控功能为正逻辑，“-L”型号遥控功能为负逻辑。

(Model with “-H” is Positive Logic, Model with “-L” is Negative Logic.)

安装尺寸 (Mechanical Drawing)

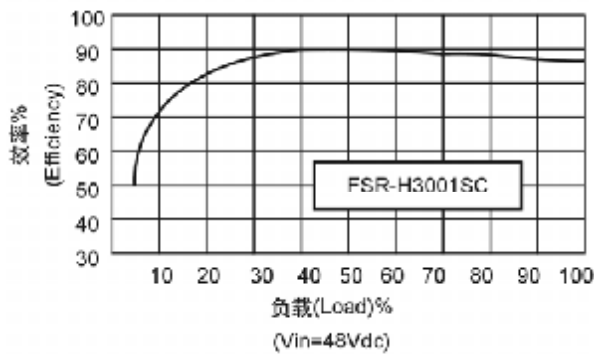
尺寸单位是 mm(inches); All Dimensions in mm (inches)



引脚定义 (Pin Definition)	
引脚(Pin)	单路(Single)
1	-Vin
2	FG
3	Rem
4	+Vin
5	-Vout
6	-Vout
7	-S
8	Trim
9	+S
10	+Vout
11	+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)

