



特点

- * 外形尺寸: 50.8 × 40.6 × 12.7 mm
- * 2: 1 电压输入范围
- * 固定开关频率
- * 六面金属封装

Features

- * Small Size: 2.00 × 1.59 × 0.50 inch
- * 2: 1 Input Voltage Range
- * Constant Frequency
- * Encapsulated in Metal Cases

输入特性 (Input)

注释 (Notes and Conditions)

输入电压范围 (Input Voltage Range)			
标称 (Nominal)	24Vdc	18~36Vdc	40Vdc Max
标称 (Nominal)	48Vdc	36~72Vdc	80Vdc Max
遥控功能 (Remote On/Off Function)			
正逻辑 (Positive Logic)	开启 (On)	高电平或悬空 (High Level or Open Circuit)	相对于 -Vin (Reference to -Vin)
	关闭 (Off)	零电平或短路 (Connect to -Vin)	

输出特性 (Output)

注释 (Notes and Conditions)

输出电压精度 (Voltage Set-Point Accuracy)	± 1%	V _{nom} and I _{nom}
源效应 (Line Regulation)	± 0.2%V _o	V _{imin} ~V _{imax} , I _{nom}
负载效应 (Load Regulation)	± 0.5%V _o	10%~100%I _{nom} , V _{nom}
输出电压调节范围 (Voltage Trim Range)	± 10%	
输出过流保护点 (Current Limit Threshold Range)	≥ 110%I _o	
瞬态响应 (Dynamic Response)		
过冲幅度 (Peak Deviation)	± 5%V _o	25%-50%-25% of I _{nom}
恢复时间 (Settling Time)	200 μs	and 50%-75%-50% of I _{nom}
短路保护 (Short-Circuit Protection)	连续可恢复 (Continuous, Automatic Recovery)	

一般特性 (General)

注释 (Notes and Conditions)

温度系数 (Temperature Coefficient)	± 0.02%/°C	
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)	700Vdc 1min	
工作壳温 (Operating Case Temperature)	-25°C~+85°C	
贮存温度 (Storage Temperature)	-40°C~+125°C	
冷却方式 (Cooling)	自然冷却 (Natural Convection)	
平均故障间隔时间 (MTBF)	2 × 10 ⁵ h	MIL-HDBK-217
重量 (Weight)	60g	

注: 除非另有说明, 指标一般在标称输入电压、满载和 25°C 环境温度下测得。

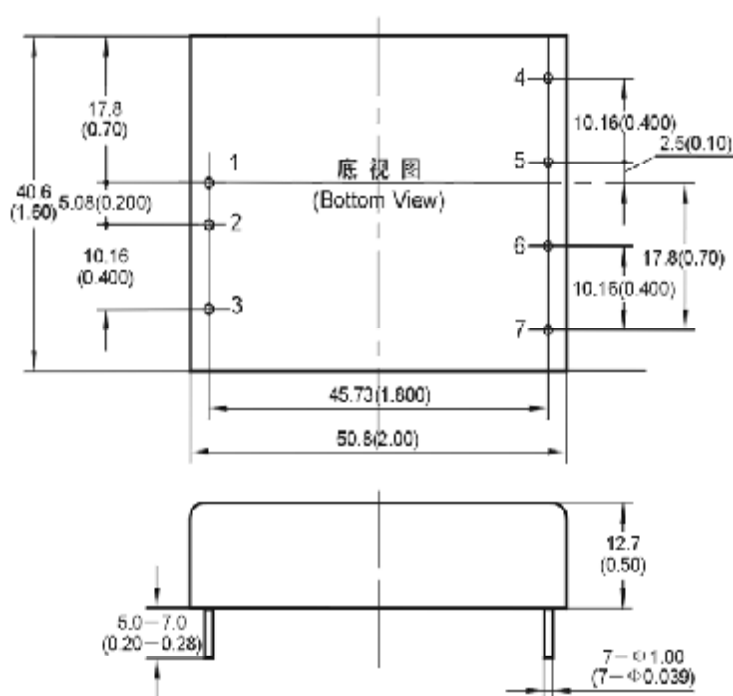
Note: All specifications are typical at nominal input, full load at 25°C unless otherwise stated.

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
SFN48S5-30W	48	5.0	6.0	30	87	75
SFN48S12-30W	48	12.0	2.5	30	88	100
SFN24S5-30W	24	5.0	6.0	30	87	75
SFN24S12-30W	24	12.0	2.5	30	88	100

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	-Vin
3	Rem
4	NP
5	+Vout
6	-Vout
7	Trim

未注公差按下表 (Tolerances Unless Otherwise Specified)	
mm	inches
.x \pm 0.5	.xx \pm 0.02
.xx \pm 0.13	.xxx \pm 0.005

应用电路推荐 (Recommended Application Circuit)

温度降额曲线 (Temperature Derating Curve)

