



特点

- * 外形尺寸: 86.0 × 62.0 × 12.7 mm
- * 工业标准封装和引脚
- * 高效率、高功率密度
- * 基板工作温度 85℃

Features

- * Size: 3.39 × 2.44 × 0.50 inch
- * Industry Standard Package and Footprint
- * High Efficiency, High Power Density
- * 85℃ 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
遥控功能(Remote On/Off Function)		
负逻辑(Negative Logic)	开启(On)	与 -Vin 短接(Connect to -Vin)
	关闭(Off)	悬空(Open Circuit)
		相对于 -Vin (Reference 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}
输出电压调节范围(Output Voltage Trim Range)	± 10%	
源效应(Line Regulation)	± 0.4%V _o	V _{min} ~V _{max} , I _{nom}
负载效应(Load Regulation)	± 0.8%V _o	10%~100%I _{nom} , V _{nom}
输出过流保护点(Current Limit Threshold Range)	110%~140%I _o	
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%V _o	25%-50%-25% of I _{nom}
恢复时间(Settling Time)	200 μs	and 50%-75%-50% of I _{nom}

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)	750Vdc 1min	
输出与外壳(Output-Case)	500Vdc 1min	
工作基板温度(Operating Baseplate Temperature)	- 20℃~ + 85℃	
贮存温度(Storage Temperature)	- 40℃~ + 105℃	
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)	120g	

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.

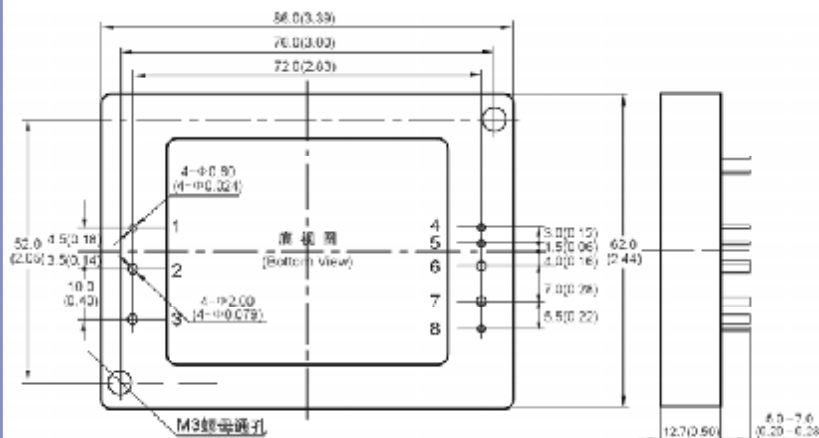
型号列表 (Models)

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) %	输出杂音电压峰峰值 (Ripple and Noise) mVp-p
AC-L1001SC	48	5.0	20.0	100.0	83	100
AC-L1002SC	48	12.0	8.4	100.8	86	100

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

安装尺寸 (Mechanical Drawing)

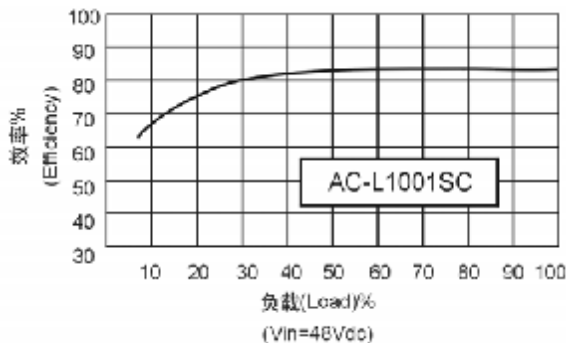
尺寸单位是 mm (inches); All Dimensions in mm (inches)



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

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)

