

LH25-13B 系列

----- 标准封装 AC-DC 模块电源 25W



产品特性

- 宽电压输入范围 85~305VAC (100~430VDC)
- 工作温度 -40℃~+70℃
- 保护功能齐全 (短路保护自恢复等)
- 高效率、高可靠性
- 稳压输出、低纹波噪声
- 工业级产品技术设计

应用范围

无线网络、电信/数据通信、电力系统、工业控制系统、测量仪器仪表、智能化领域等电源系统。适合于需要实现输入范围波动大，需要电源隔离，布板空间小等设计，并实现产品功能模块化，提高产品可靠性。

产品型号 Product Model

型号 Model	输出电压 Output Voltage (Vo)	输出电流 Io Output Current (Io)	效率 (TYP)
LH25-13B05	5V	4100mA	83%
LH25-13B12	12V	2100mA	86%
LH25-13B15	15V	1600mA	88%
LH25-13B24	24V	1100mA	88%

*如有其它规格型号需求，可直接联系我司。For other specifications or models, please contact us directly.

输入特性 Output Characteristics

输入电压范围 Input Voltage Range	85~305VAC (100~430VDC)		
输入频率 Input Frequency	47~63Hz		
输入电流 Input Current	600mA (MAX) @115VAc	340mA (MAX) @ 230VAc	
外接保险丝 (推荐值) Recommended External Fuse	3. 15A/250V	慢断	

输出特性 Output Characteristics

输出电压稳压精度 Output Voltage Accuracy	±2%
源效应 Line Regulation	±0.5% (typ)

负载调整率 Load Regulation(10%~100%)	±1% (typ)
最小负载 Minimum Load	10%
*输出纹波+噪声 (峰-峰值) Output Ripple and Noise (Peak-to-Peak)	100mV (typ) (20MHz Bandwidth)
短路保护 Short-Circuit Protection	可长期短路, 自恢复 Sustained Short-Circuit, Auto-Recovery
输出过压保护 Output Over - Voltage Protection	≥1.1 倍

一般特性 General Characteristics

温度特性 Temperature Characteristics	工作温度 Op. Temp.	-40°C~+70°C
	功率降额 Power Derating	3.75% / °C ,
	存储温度 Storage Temperature	-40°C~+90°C
	外壳温度 Case Temp.	+90°C max
掉电时间 Power-Off Delay		40ms (typ) / at Vin: 320Vdc
湿度 Humidity		85%RH (max)
温漂 Temperature Drift		0.02%/°C
开关频率 Switching Frequency		65kHz (typ)
隔离电压 Isolation Voltage	输入-输出 Input-Output	3000Vac/1Min
漏电流 Leakage Current		<5mA RMS typ. 230VAC/50Hz
*电磁兼容静电放电 EMC-ESD	IEC/EN 61000-4-2 level 3	6kV/8kV
*射频辐射抗扰 RFI	IEC/EN 61000-4-3	
*电快速瞬变脉冲群 EFT/B	IEC/EN 61000-4-4 level 3	2 kV
*浪涌 Surge	IEC/EN 61000-4-5 level 3	1kV/2kV
*传导/辐射 Conduction / Radiation		EN55022, level A
安全等级 Safety Class		CLASS I
外壳等级 Enclosure Class		阻燃塑料 UL94V-0
安装 Mounting Method		PCB
MTBF		>200,000h @25°C

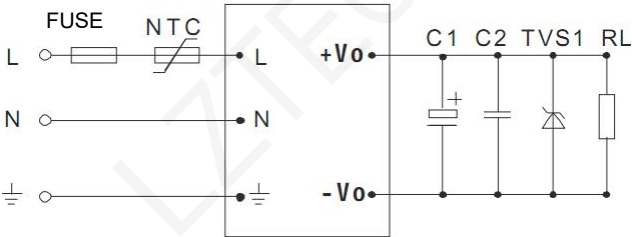
注：1. 标注*测试项目，需增加外围 EMC 推荐电路；

For test items marked with an asterisk (*), the external EMC recommended circuit shall be added during testing.

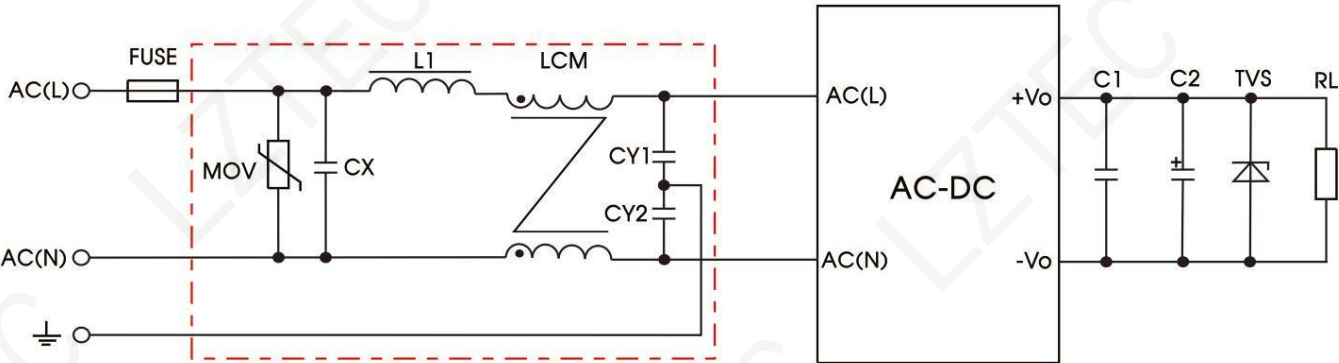
2. 以上所列数据除特别说明外，都是在 TA=25°C, 湿度<75%的条件下测得。

Unless otherwise specified, all data listed above are measured under the conditions of ambient temperature (T/A) = 25°C and relative humidity < 75%.

典型应用 Typical Applications



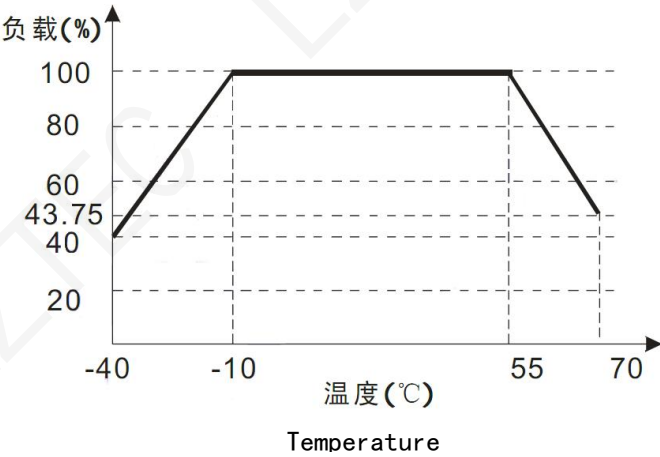
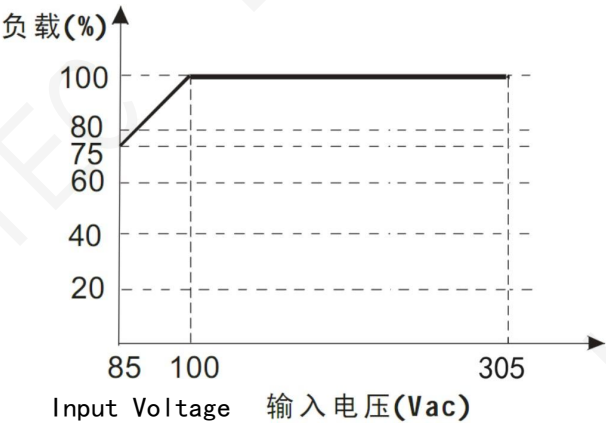
EMC 推荐电路



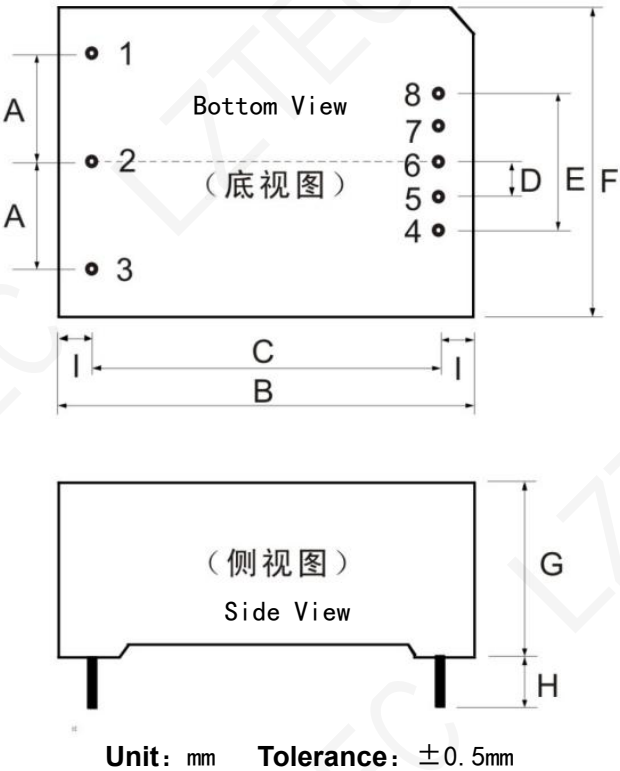
器件 Component	推荐值 Recommended Value
MOV	14D561
CY1、CY2	1000pF/400VAC
CX	0.1uF/275VAC
LCM	>10mH
L1	4.7uH/2A
FUSE	3.15A/250V, 慢断

输入电压与负载关系图
Input Voltage vs. Load Correlation

温度与负载关系图
Temperature vs. Load Correlation



外观和尺寸 Mechanical Specifications



尺寸说明 Dimensions Note:

Mark	A	B	C	D	E	F	G	H
Dimensions	20	70	62	5.75	23	48	23.5	4

引脚定义 Pin Definition:

Pin	1	2	3	4	5	6	7	8
Definition	AC(L)	AC(N)	NC	-Vo	NP	NP	NP	+Vo

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