



特点

- * 外形尺寸: 25.4 × 25.4 × 12.7(10.2) mm
- * 适用于高频率 DC-DC 电源模块
- * PCB 板上安装
- * 工作壳温范围 -40℃ - +100℃

Features

- * Size: 1.00 × 1.00 × 0.50(0.40) inch
- * Optimized for use with high-frequency dc to dc power modules
- * Printed-Circuit Board Moutable
- * Operating Case Temperature Range -40℃ to +100℃

输入特性(Input)

注释(Notes and Conditions)

| | FLN200V5A | FLN100V5A | FLN100V2A | |
|----------------------------------|-----------|-----------|-----------|----------------------------------|
| 输入电压范围(Input Voltage Range) | 0~200Vdc | 0~100Vdc | 0~100Vdc | |
| 最大平均电流 (Maximum Average Current) | 5A | 5A | 2A | Ta=60℃, 2.0m/s 风冷(air) |
| | 3.5A | 3.5 | 1.4A | Ta=60℃, 自然散热(Natural convention) |

输出特性(Output)

注释(Notes and Conditions)

| 插入损耗 (Insertion Loss) * | | | | |
|-------------------------------------------|---------------|-------|-------|-----------------------|
| 共模插入损耗 (Common-mode Insertion Loss) | 35dB | 35dB | 35dB | 50 Ω Circuit, 500KHz |
| 差模插入损耗 (Differential-mode Insertion Loss) | 30dB | 30dB | 50dB | 50 Ω Circuit, 500KHz |
| 直流电阻 (DC Resistance per Leg) | 25m Ω | 25m Ω | 65m Ω | 任一通路 |
| 隔离电压 (Isolation Voltage) | | | | |
| GND与输入 (GND-Input) | 1000Vdc, 1min | | | Leakage Current: 10mA |

一般特性(General)

注释(Notes and Conditions)

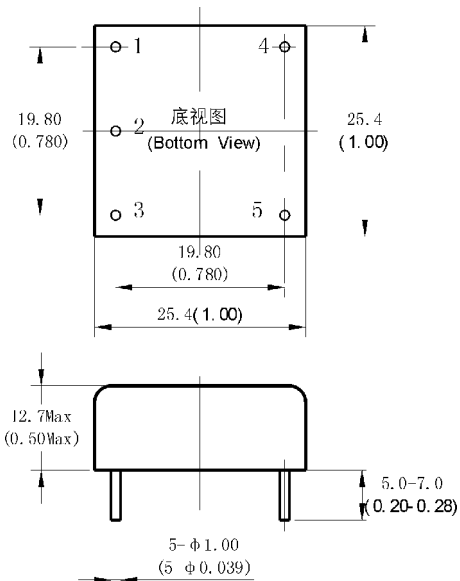
| | |
|----------------------------------|------------------|
| 温度系数(Temperature Coefficient) | ± 0.03%/℃ |
| 工作壳温(Operating Case Temperature) | -40℃~+100℃ |
| 贮存温度(Storage Temperature) | -40℃~+105℃ |
| 相对湿度(Humidity) | ≤ 90%RH(40 ± 2)℃ |

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

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

安装尺寸 (Mechanical Drawing)

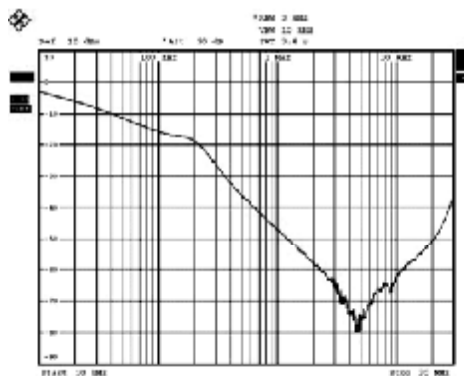
尺寸单位是 mm(inches); All Dimensions in mm (inches)



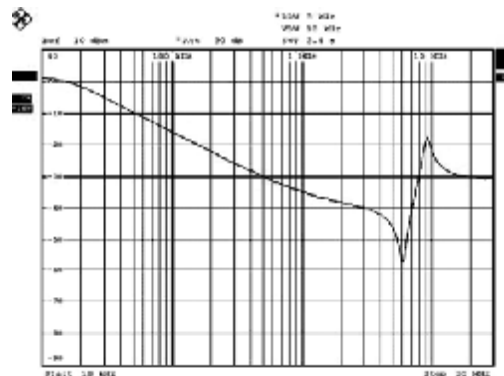
| 引脚(Pin) | 单路(Single) |
|---------|------------|
| 1 | +Vin |
| 2 | GND |
| 3 | -Vin |
| 4 | +Vout |
| 5 | -Vout |

| mm | inches |
|-----------|-------------|
| .x ±0.5 | .xx ±0.02 |
| .xx ±0.13 | .xxx ±0.005 |

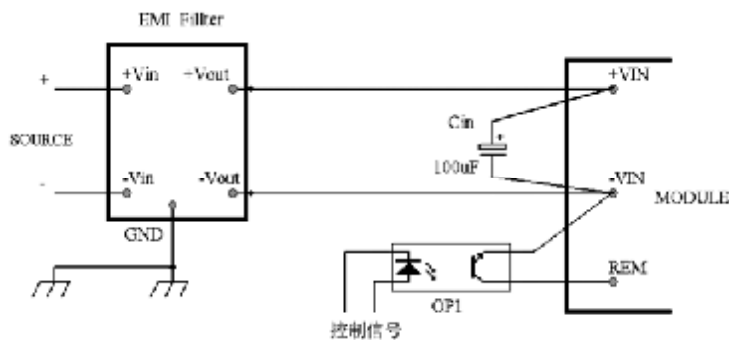
共模插入损耗



差模插入损耗



基本应用电路 (Basic Application Circuit)



注: 实际应用中,各模块的逻辑可能不同,上述电路遥控电路的接法仅供参考,以实际接法为准,但必须保障其接点在模块输入处,不能接在滤波器之前,以免引入干扰. 电容 C_{in} 尽量靠近模块输入端子.