



特点

- * 外形尺寸: 86.0 × 72.0 × 12.7 mm
- * 2: 1 电压输入范围
- * 高效率、高功率密度
- * 基板工作温度 85℃

Features

- * Size: 3.39 × 2.83 × 0.50 inch
- * 2: 1 Input Voltage Range
- * 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 | |
| 输入欠压保护(Input Undervoltage Protection) | ≤ 36Vdc | | |
| 输入过压保护(Input Overvoltage Protection) | > 72Vdc | | |
| 遥控功能(Remote On/Off Function) | | | |
| 负逻辑(Negative Logic) | 开启(On) | 与 -Vin 短接(Connect to -Vin) | 相对于 -Vin(Reference to -Vin) |
| | 关闭(Off) | 悬空(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) ¹ | ± 10% | | |
| 源效应(Line Regulation) | ± 0.4%Vo | Vimin~Vimax, Ionom | |
| 负载效应(Load Regulation) | ± 0.8%Vo | 10%~100%Ionom, Vinom | |
| 输出过压保护(Output Overvoltage Protection) ² | 110%~120%Vo | | |
| 输出过流保护点(Current Limit Threshold Range) | ≥ 105%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) | 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) | 140g | | |

注(Notes):

1 AB-L1501SC:空载输出电压调节范围为 ± 20%(± 20% at No Load)

2 AB-L1501SC:110%~128%Vo.

