

J100-150DW SERVES

- 封装尺寸Size dimensional: 127.0x88.9x17.2mm
- 宽范围输入Wide input voltage range
- 转换效率典型Typical efficiency :86%, ☆MAX90%☆
- 开关频率Switching frequency:300KHz±30KHz
- 过流、短路保护,自恢复Over current、short circuit protection
- 输入与输出高隔离Input-output isolate
- PCB板上直插式安装Board in-line type installs
- 温度适应范围宽Wide temperature range
- 六面金属屏蔽Six sides metal shielding

外形图Outside drawing



CE RoHS

输入特性Input

| 输入电压范围 Input voltage range | 2:1输入范围input voltage range | | | 4:1输入范围input voltage range | | |
|-------------------------------|-------------------------------------|----------|----------|------------------------------------|----------|----------|
| | 标称Nom(V) | 最小Min(V) | 最大Max(V) | 标称Nom(V) | 最小Min(V) | 最大Max(V) |
| | 12V | 9V | 18V | | | |
| | 24V | 18V | 36V | 18V | 9V | 36V |
| | 48V | 36V | 72V | 36V | 18V | 72V |
| 96/110V | 72V | 144V | | | | |
| 遥控端Remote ON/OFF | 高电平(5-48v)或悬空工作High level or vacant | | | 低电平(<0.3v)或接地关断Low level or ground | | |

输出特性Output

| | | |
|--------------------------------|------------------------------|---|
| 输出电压精度Output voltage accuracy | 标称电压Nominal output voltage | Vo1:±1.0%;Vo2,V03,V04:±2.0% |
| 源效应Line regulation | 标称负载, 全范围Nominal load, gamut | Vo1:±0.2%;Vo2,V03,V04:±1.5% |
| 负载效应Load regulation | 20%~100%额定负载Rated load | Vo1:±0.5%;Vo2,V03,V04:±4.0% |
| 输出纹波及噪声Output Ripple and noise | 20MHz Bm满载Full load | Vo≤5V:≤50mVp-p Vo>48V:≤180mVp-p Other:≤100mVp-p |
| 动态响应Dynamic response | 25%的标称负载阶跃Nom load stepped | △Vo1/△t:±4.0/500us% |
| 输出电压调节Output voltage adjust | | ±10% 调节 |
| 启动延迟时间Start delay time | 典型值Typical | ≤200mS |
| 输出短路保护Short circuit protection | 过流保护Over-current protection | 自恢复Auto recovery |

一般特性General

| | | |
|---------------------------|---------------------------|---|
| 转换效率Efficiency | Vo≤5.0V:80%典型Typical | Vo>5.0V:85%典型Typical |
| 开关频率Switching frequency | 300KHz典型Typical | 330KHz最大Max |
| 工作温度Operating temperature | 自由空气对流Free air convection | -25℃~+75℃工业级Industrial level -40℃~+85℃军级Military I level |
| 焊接温度Welding temperature | 手工焊接Hand welding | 360±10℃;时间Time:5~10S |
| | 波峰焊接Wave welding | 260±5℃;时间Time:3~5S |
| 储存温度Storage temperature | | -40℃~+105℃ |
| 相对湿度Relative humidity | | 10%~90% |
| 外壳材料Case material | | 黑色金属壳Black metal case:DC |
| 隔离电压Isolation voltage | 输入与输出Input and output | 1000Vdc≤0.5mA/1分钟Minute |
| | 输入与外壳Input and case | 1000Vdc≤0.5mA/1分钟Minute |
| 最小无故障间隔时间 (MTBF) | | 2X10 ⁴ Hrs |

J100-150DW SERVES
典型应用Type

| 输入电压范围 Input voltage range | 标称输出电压/输出电流Nom output voltage/current | | | | | | | | | | 型号Type | |
|---|---------------------------------------|-------|---------------|-------|---------|---------------|--------|--|--|------------------|--------|--------|
| | 单路Single | | 型号TYPE | | 双路Dual | | 型号Type | | | | | |
| | V | A | | | V | A | | | | | | |
| 12V(9-18V) 24V(18-36V) 48V(36-72V) 96/110V(72-144V) 18V(9-36V) 36V(18-72V) | 3.3V | 20.0A | J100DW□S3V3E1 | ±3V3 | ±10.0A | J100DW□D3V3E1 | | | | | | |
| | 5V | 20.0A | J100DW□S05E1 | ±5V | ±10.0A | J100DW□D05E1 | | | | | | |
| | 9V | 11.1A | J100DW□S09E1 | ±9V | ±5.55A | J100DW□D09E1 | | | | | | |
| | 12V | 8.33A | J100DW□S12E1 | ±12V | ±4.16A | J100DW□D12E1 | | | | | | |
| | 15V | 6.66A | J100DW□S15E1 | ±15V | ±3.33A | J100DW□D15E1 | | | | | | |
| | 24V | 4.16A | J100DW□S24E1 | ±24V | ±2.08A | J100DW□D24E1 | | | | | | |
| | 48V | 2.08A | J100DW□S24E1 | ±48V | ±1.04A | J100DW□D48E1 | | | | | | |
| | 5V | 30.0 | J150DW□S05E1 | ±5V | ±15.0A | J150DW□D05E1 | | | | | | |
| | 9V | 16.6 | J150DW□S09E1 | ±9V | ±8.33A | J150DW□D09E1 | | | | | | |
| | 12V | 12.5 | J150DW□S12E1 | ±12V | ±6.25A | J150DW□D12E1 | | | | | | |
| | 15V | 10.0 | J150DW□S12E1 | ±15V | ±5.0A | J150DW□D15E1 | | | | | | |
| | 24V | 6.25 | J150DW□S24E1 | ±24V | ±3.125A | J150DW□D24E1 | | | | | | |
| | 48V | 3.125 | J150DW□S48E1 | ±48V | ±1.56A | J150DW□D48E1 | | | | | | |
| | 三路Three | | | | | | | | | | | 型号Type |
| | Vout1 | | Vout2 | | Vout1 | | | | | | | |
| V | A | V | A | V | A | | | | | | | |
| +5V | 10.0A | +12V | 2.08A | -12V | 2.08A | | | | | J100DW□T05-12IE1 | | |
| 四路Four | | | | | | | | | | | 型号Type | |
| Vout1 | | Vout2 | | Vout3 | | Vout4 | | | | | | |
| +5V | 7.5A | -5V | 7.5A | +12V | 3.125A | -12V | 3.125A | | | J100DW□Q05-12IE1 | | |

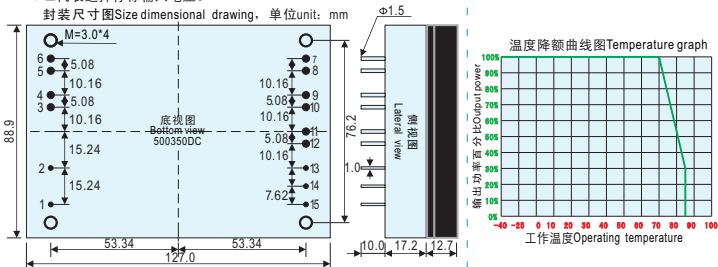
注1. 因篇幅有限, 以上只是部分产品列表, 若需列表以外产品, 请与本公司销售部或办事处联系。

2. 当工作温度为+70°C时, 应按温度降额曲线图使用。

3. 测试条件: 所有参数测试均在标称输入电压、纯阻性额定负载及25°C室温环境下测得。

4. □代表选择标称输入电压。

封装尺寸图Size dimensional drawing, 单位unit: mm



| 管脚说明Pin | 1 | 2 | 3:4 | 5:6 | 7:8 | 9:10 | 11:12 | 13 | 14 | 15 |
|----------|-----|------|------|------|--------|------|--------|--------|------|--------|
| 单路Single | REM | CASE | -Vin | +Vin | +Vout | GND | NC | +S | TRIM | -S |
| 双路Dual | REM | CASE | -Vin | +Vin | +Vout1 | COM | -Vout2 | +S | TRIM | -S |
| 三路(Tree) | REM | CASE | -Vin | +Vin | +Vout1 | GND1 | NC | +Vout2 | COM | -Vout3 |
| 四路(Four) | REM | CASE | -Vin | +Vin | +Vout1 | COM1 | -Vout2 | +Vout3 | COM2 | -Vout4 |