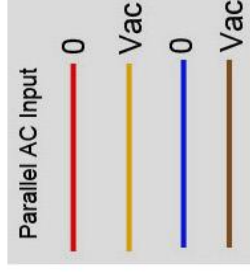
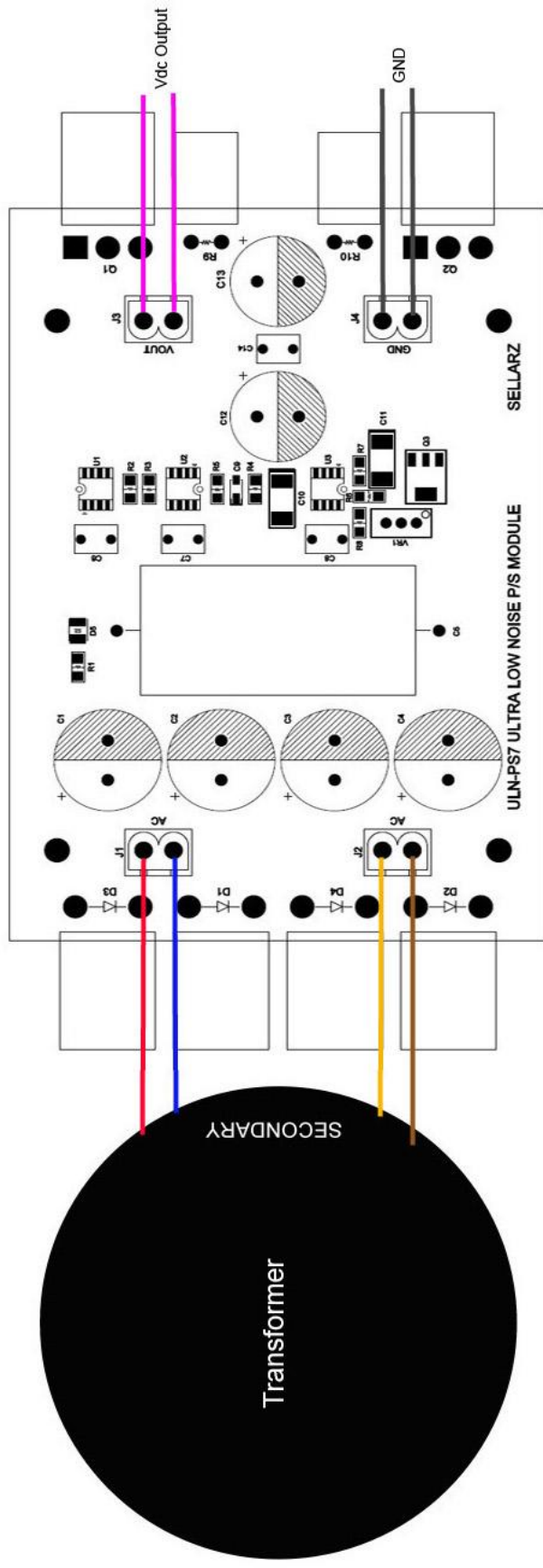


ULN-PS7 : ULTRA LOW NOISE & HIGH PSRR POWER SUPPLY



ULN-PS7

Ultra Low Noise & High PSRR, High Current Power Supply

1. General Properties

- 21ns Super Fast Recovery Diodes : Low Voltage Drop&Low Leakage Current
- Long life, Low Impedance Type Smoothing Capacitor
- Thin Film 0.1%/10PPM Low Noise Resistor
- Low ESR SMD Tantal Capacitor
- High Precision Voltage Reference : LT1236A(>5V) or MAX6225A(<5V)
- OPA132 Buffer
- LT1028 Driver and Error Amp
- Gold Plated PCB
- Size : 199(D) x 104(W) x 60(H): mm

2. Specification

- Noise : Min. 0.9nV/ $\sqrt{\text{Hz}}$ / Max. 5.4nV/ $\sqrt{\text{Hz}}$ @1KHz
- PSRR(Power Supply Ripple Rejection) : 132dB($V_s=8\text{V}$ to 36V)
- Voltage Temperature Coefficient : 1ppm/ $^{\circ}\text{C}$
- Short-Circuit Protected
- One Positive Output
- Max Current : 6.0A
- Output Voltage : Fixed 2.5V, 3.3V, 5.0V, 8.0V, 10V, 12V, 15V, 20V, 25V

3. Recommendation voltage of Transformer

The following table shows transformer's secondary voltage.

| Vdc Output @6.0A | Transformer's Sec Voltage | Power Rating(VA) |
|------------------|---------------------------|------------------|
| 2.5V | 7Vac ~ 8Vac x 2 | 80VA |
| 3.3V | 8Vac ~ 9Vac x 2 | 100VA |
| 5.0V | 9Vac ~ 10Vac x 2 | 120VA |
| 8.0V | 11Vac ~ 12Vac x 2 | 150VA |
| 10.0V | 13Vac ~ 14Vac x 2 | 180VA |
| 12.0V | 14Vac ~ 15Vac x 2 | 200VA |
| 15.0V | 16Vac ~ 17Vac x 2 | 220VA |
| 20.0V | 20Vac ~ 21Vac x 2 | 250VA |
| 25.0V | 23Vac ~ 24Vac x 2 | 300VA |

4. Parallel AC Input

In order to supply more current amount, parallel connection of two secondaries is possible. Please check the wire diagram.

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