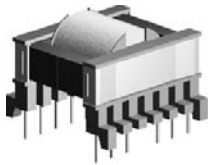


# ETD29 4 Outputs: 5+12V / 5+12V Switching Transformer

**Meisongbei**



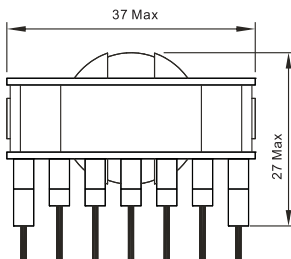
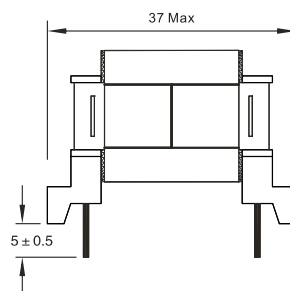
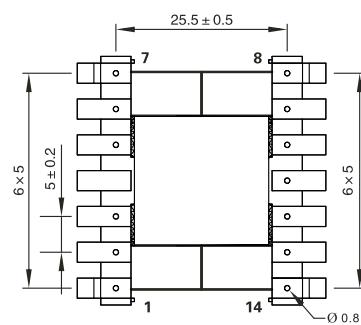
## Features

- Primary / Secondary Insulation  $\geq 4000V$
- Primary / Auxiliary Insulation  $\geq 1500V$
- Creepage distances Primary / secondary  $\geq 6mm$

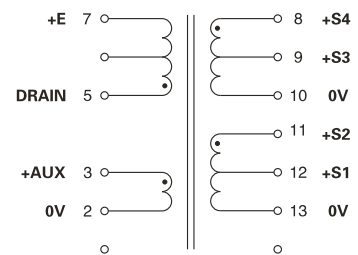
## Applications

- AC-DC converters
- DC-DC converters
- Switch Power supplies
- SMPS: Flyback
- SMPS: Half Bridge and Full Bridge

## Physical Characteristics (Unit:mm)



## Schematic



Pin 4 Removed  
PCB Hole Diameter=1.3mm

## Electrical Characteristics

| Part Number | Output Power max | Windings |       |       |                |               | Inductance ( $\pm 10\%$ ) | Ambient Temperature | Frequency    |
|-------------|------------------|----------|-------|-------|----------------|---------------|---------------------------|---------------------|--------------|
|             |                  |          | Pins  | Turns | Voltage        | Current (max) |                           |                     |              |
| ETD2901     | 18VA             | Pri      | 5-7   | 36    | 185 - 265 Vrms | 3 Apeak       | 500 $\mu$ H               | <50°C               | 60 or 132KHz |
|             |                  | Aux      | 3-2   | 4     | 7 - 14.5 Vdc   | 0.5 Adc       |                           |                     |              |
|             |                  | S1       | 12-13 | 2     | 3.3 - 7 Vdc    | 4 Adc         |                           |                     |              |
|             |                  | S2       | 11-13 | 5     | 8 - 16.5 Vdc   | 2.5 Adc       |                           |                     |              |
|             |                  | S3       | 9-10  | 2     | 3.3 Vdc        | 4 Adc         |                           |                     |              |
|             |                  | S4       | 8-10  | 5     | 8.5-16.5 Vdc   | 2.5 Adc       |                           |                     |              |