

## FEATURES:

- Wide input range: 85-500VAC
- Short-circuit protection, self recover
- Efficiency(typ):85%
- Switching frequency: 65Khz
- Overload protection
- Metal case
- PCB mount



## Selection Guide

| Part No.       | INPUT           |                | OUTPUT            |                 |                   |                 | CapacitiveLoad(μF) |
|----------------|-----------------|----------------|-------------------|-----------------|-------------------|-----------------|--------------------|
|                | Normal<br>(Vac) | Range<br>(Vac) | Voltage<br>(V1dc) | current<br>(mA) | Voltage<br>(V2dc) | current<br>(mA) |                    |
| LA30-400S0512B | 400             | 85-500         | 5                 | 2100            | 12                | 960             |                    |
| LA30-400S1212B |                 |                | 12                | 2000            | 12                | 500             |                    |
| LA30-400S0524B |                 |                | 5                 | 960             | 24                | 1050            |                    |
| LA30-400S1224B |                 |                | 12                | 500             | 24                | 1000            |                    |

\*\*customized accepted,pls contact sales for details\*\*

## Input Specifications

|                     |                           |                       |           |
|---------------------|---------------------------|-----------------------|-----------|
| Input Voltage Range | Input Voltage Range (Vac) | nominal input voltage | Max (Vac) |
|                     | 85-500                    | 400                   | 500       |
| Input Filter        | Capacitive Filter         |                       |           |
| Ctrl                | NONE                      |                       |           |
|                     | NONE                      |                       |           |
| Hot Plug            | Unavailable               |                       |           |

## Output Specifications

| Item             | Typ     | Max | Test Conditions            |
|------------------|---------|-----|----------------------------|
| Voltage Accuracy | ±1%     |     |                            |
| Line Regulation  | ±0.1%   |     |                            |
| Load Regulation  | ±2%     |     |                            |
| Ripple&Noise     | 60mVp-p |     | 20MHz Bandwidth, full load |

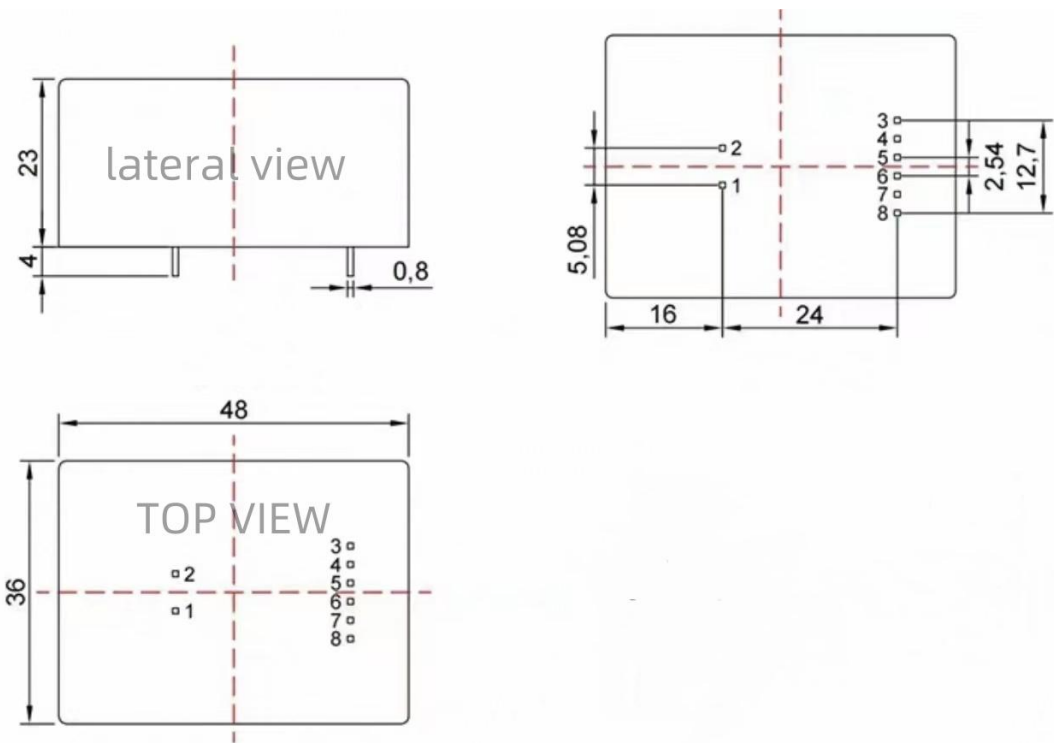
## General Specifications

|                          |                                          |                                                                         |
|--------------------------|------------------------------------------|-------------------------------------------------------------------------|
| Switching Frequency      | 65KHz(Typ)(main road), 1.2Mhz(side road) | 100% full load, nominal input voltage                                   |
| Short-Circuit Protection | Continuous, self-recovery                |                                                                         |
| Over Load Protection     | >150% load, recover                      |                                                                         |
| Isolation (Input-Output) | 3000VAC                                  | Input-output electric strength test for 1 minute with a leakage current |
| Operating Temperature    | -25~+70℃                                 |                                                                         |
| Storage Temperature      | -40~+85℃                                 |                                                                         |
| Storage Humidity         | <95%                                     | Non-condensing                                                          |
| Cooling Method           | Free air convection                      |                                                                         |

|               |               |  |
|---------------|---------------|--|
| Case Material | Plasitcs case |  |
| Weight        | 90g (Typ)     |  |

\*\*Unless specified, otherwise all other parameters are tested under the following conditions: nominal input voltage, pure resistive load, 25°C room temperature environment.

Dimensions and Recommended Layout



Unit:mm  
Pin diameter tolerances:±0.2mm  
General tolerances:±0.5mm

| Pins |      |  |     |      |
|------|------|--|-----|------|
| Pin  | DUAL |  | Pin | DUAL |
| 1    | L    |  | 6   | GND1 |
| 2    | N    |  | 7,8 | GND2 |
| 3,4  | +Vo2 |  |     |      |
| 5    | -Vo1 |  |     |      |