

## 25 to 30watts / 3" ´ 2.60" ´ 0.45" Package

YCL

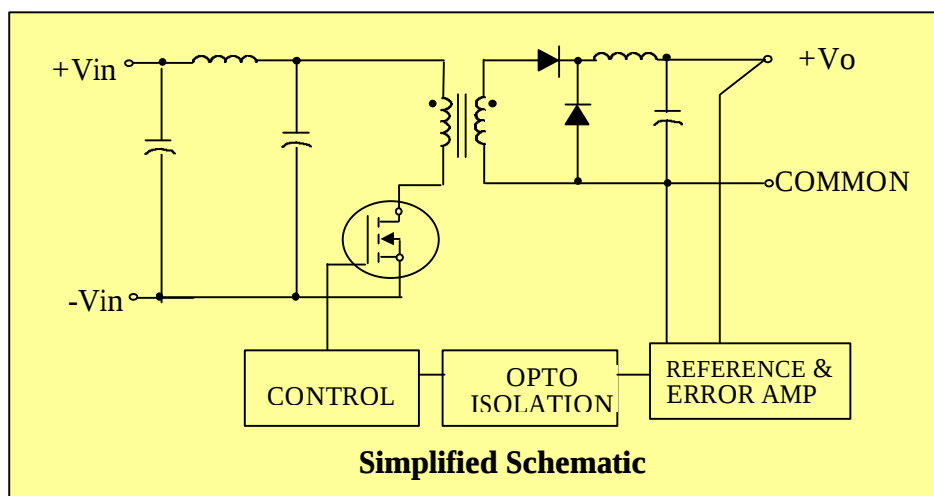
### LP series / Triple outputs

#### Feature:

- Low Cost
- Triple outputs
- High efficiency
- Industry-standard package and pinout
- 500Vdc Input/Output Isolation
- On/Off control and Vout trim
- No External Components required

#### Specifications: At 25°C

| Input Specifications:                                                                             | General Specifications:                                                |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Input Voltage Range: See Table                                                                    | Isolation Voltage: 500Vdc                                              |
| Input Filter: Pi-type                                                                             | Efficiency: see table                                                  |
| On/Off Control: TTL high(or open)=on<br>TTL low=off                                               | Switching Frequency: 100KHz typical                                    |
|                                                                                                   | Isolation Resistance: 1000M ohm                                        |
| Output Specifications:                                                                            | Environmental Specifications:                                          |
| Output Voltage & Current: see table                                                               | Operating Temperature: -25 to + 71°C                                   |
| Voltage Accuracy: $\pm 2\%$ max                                                                   | Storage Temperature: -40 to +105°C                                     |
| Line Regulation(at full load): $\pm 0.5\%$ max                                                    | Cooling: Free air convection                                           |
| Load Regulation (at full load to 1/4 load):<br>+5V: $\pm 2\%$ max<br>Other outputs: $\pm 3\%$ max | Derating: See Derating Curve                                           |
|                                                                                                   | Humidity Non-Condensing: 20 to 95% RH                                  |
|                                                                                                   | Physical Specifications:                                               |
| Temperature Coefficient: $\pm 0.05\%/^{\circ}\text{C}$ max                                        | Case Material: Black coated copper with<br>non-conductive plastic base |
| Ripple & Noise(20Mhz BW): 1% p-p max<br>(+5V:100mVpp max)                                         | Pin Material: Brass, solder coated                                     |
| Short Circuit Protection: Power fold back                                                         | Weight: 156grams typical                                               |



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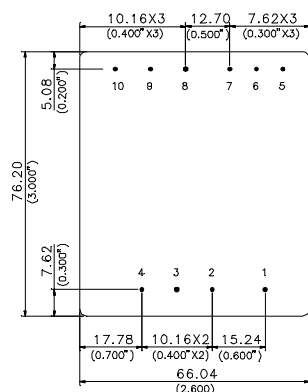
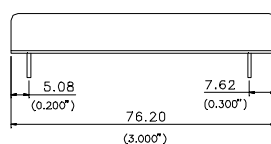
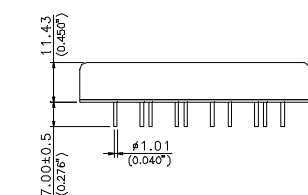
#### Model Selection Table:

| Model no.  | Input            |             |           | Output           |                 | Efficiency<br>Typical①<br>% | Package | External<br>Fuse②<br>(A) |
|------------|------------------|-------------|-----------|------------------|-----------------|-----------------------------|---------|--------------------------|
|            | Voltage<br>(Vdc) | Current(mA) |           | Voltage<br>(Vdc) | Current<br>(mA) |                             |         |                          |
|            |                  | No-Load     | Full-Load |                  |                 |                             |         |                          |
| LP1205S12D | 9-18             | 38          | 2618      | 5±12             | 2500/±500       | 78                          | LP      | 6                        |
| LP1205S15D | 9-18             | 38          | 2520      | 5±15             | 2500/±400       | 81                          | LP      | 6                        |
| LP2405S12D | 18-36            | 42          | 1543      | 5±12             | 3000/±625       | 81                          | LP      | 4                        |
| LP2405S15D | 18-36            | 42          | 1543      | 5±15             | 3000/±500       | 81                          | LP      | 4                        |
| LP4805S12D | 36-72            | 42          | 772       | 5±12             | 3000/±625       | 81                          | LP      | 2                        |
| LP4805S15D | 36-72            | 42          | 772       | 5±15             | 3000/±500       | 81                          | LP      | 2                        |
| LP3041201  | 9-36             | 46          | 2520      | 5±12             | 2500/±500       | 81                          | LP      | 6                        |
| LP3041202  | 9-36             | 46          | 2520      | 5±15             | 2500/±400       | 81                          | LP      | 6                        |
| LP3042401  | 20-72            | 46          | 1543      | 5±12             | 3000/±625       | 81                          | LP      | 3                        |
| LP3042402  | 20-72            | 46          | 1543      | 5±15             | 3000/±500       | 81                          | LP      | 3                        |

①Efficiency is specified at nominal input voltage and full load.

②Certain applications may require the installation of external fuse in front of the input.

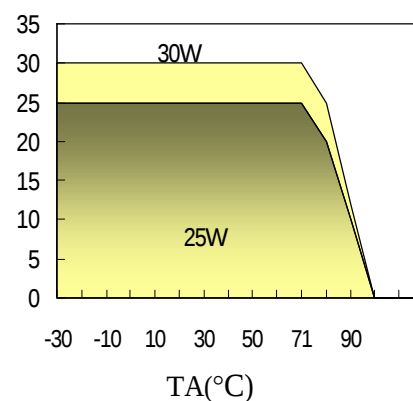
#### Package LP:



| PIN | SINGLE      | DUAL        | TRIPLE      |
|-----|-------------|-------------|-------------|
| 1   | ON/OFF      | ON/OFF      | ON/OFF      |
| 2   | +INPUT      | +INPUT      | +INPUT      |
| 3   | -INPUT      | -INPUT      | -INPUT      |
| 4   | NO PIN      | NO PIN      | NO PIN      |
| 5   | NO PIN      | +OUTPUT     | +OUTPUT     |
| 6   | OUTPUT TRIM | COMMON      | COMMON      |
| 7   | NO PIN      | -OUTPUT     | -OUTPUT     |
| 8   | +OUTPUT     | OUTPUT TRIM | +5V out     |
| 9   | -OUTPUT     | NO PIN      | NO PIN      |
| 10  | NO PIN      | NO PIN      | OUTPUT TRIM |

Po(W)

#### Power Derating Curve



Unit: mm(inch)±0.25(0.010)