



LED Drivers

LGA30(A) SERIES

10~30Watt

Single Output

3KVac Isolated

PFC

Non-Dimmable



Input Specifications

| Parameters          | Conditions                            | Min       | Typ     | Max | Units |
|---------------------|---------------------------------------|-----------|---------|-----|-------|
| Rated input voltage | Vo, Io nom                            |           | 100~240 |     | Vac   |
| Voltage Range       | Vo, Io nom                            | 90        |         | 264 | Vac   |
| Line Frequency      | Vi nom, Io nom                        | 47        | 50/60   | 63  | Hz    |
| Inrush Current      | Io nom                                | Vi:115VAC |         | 20  | A     |
|                     |                                       | Vi:230VAC |         | 40  | A     |
| Power Factor        | PF> 0.90 / 115Vac,230Vac at full load |           |         |     |       |

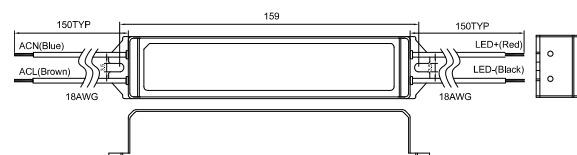
Output Specifications

| Parameters            | Conditions                  | Min   | Typ              | Max | Units |
|-----------------------|-----------------------------|---|------------------|-----|-------|
| Isolation Voltage     | Input / Output              |   | 3KVac/ 5mA/5Secs |     |       |
| Current Accuracy      | Vi=100-240Vac               |   | ±3               | ±5  | %     |
| Operating Temperature | Operating at Vi nom, Io nom | -40   |                  | +50 | °C    |
| Protection            | Over Current                | >108% rated output power(Constant current limiting)<br>Protection type: Recovers automatically after fault condition is removed |                  |     |       |
|                       | Over Voltage                | 120%-150% rated output Voltage<br>Protection type: Recovers automatically after fault condition is removed                      |                  |     |       |
|                       | Short circuit               | Recovers automatically after fault condition is removed   |                  |     |       |

Part Number

| LG                 | A | 30 | (A) | - | 360 | - | 500 |
|--------------------|---|----|-----|---|-----|---|-----|
| A                  | B | C  | D   |   | E   |   | F   |
| A : Series         |   |    |     |   |     |   |     |
| B : Package        |   |    |     |   |     |   |     |
| C : Output Wattage |   |    |     |   |     |   |     |
| D : IP67 Rated     |   |    |     |   |     |   |     |
| E : Output Voltage |   |    |     |   |     |   |     |
| F : Output Current |   |    |     |   |     |   |     |

Markings and Dimensions



L170.0x W33.0 x H25.0 mm  
UNIT:mm Unless otherwise specified,all tolerances are ±0.50



FEATURES :

- Universal Input 90~264VAC
- High Efficiency to 88% Typical
- Power Factor Correction
- Protection: Short Circuit /Over current/Over voltage
- IP64/IP67 design for indoor and outdoor installations
- Application: Suitable for LED lighting and moving sign applications

Specifications typical at TA=25°C, nominal input voltage and rated output current unless otherwise specified

| Part Number      | Constant Current Region | Max Output Current | Output Power | Efficiency |
|------------------|-------------------------|--------------------|--------------|------------|
|                  | (V)                     | (mA)               | (W) Max      | %(TYP)     |
| LGA30(A)-360-300 | 24.0-36.0               | 300                | 10.8         | 88         |
| LGA30(A)-360-350 | 24.0-36.0               | 350                | 12.6         | 88         |
| LGA30(A)-360-400 | 24.0-36.0               | 400                | 14.4         | 87         |
| LGA30(A)-360-500 | 24.0-36.0               | 500                | 18.0         | 86         |
| LGA30(A)-360-700 | 24.0-36.0               | 700                | 25.2         | 85         |
| LGA30(A)-480-300 | 36.0-48.0               | 300                | 14.4         | 88         |
| LGA30(A)-480-350 | 36.0-48.0               | 350                | 16.8         | 88         |
| LGA30(A)-480-400 | 36.0-48.0               | 400                | 19.2         | 87         |
| LGA30(A)-480-500 | 36.0-48.0               | 500                | 24.0         | 86         |
| LGA30(A)-480-700 | 36.0-48.0               | 700                | 33.6         | 85         |

NOTE: (A) is IP67 Rated, For example: LGA30A-360-300 IP67 Rated, LGA30-360-300 IP64 Rated.