

3-10Watt,Single Output PFC LED Drivers



FEATURES:

- **Universal Input 90~264VAC**
- **High Efficiency to 82% Typical**
- **Power Factor Correction**
- **Protection:**
Short Circuit /Over current/Over voltage
- **Application:**
Suitable for LED lighting and moving sign applications

LG A 10 - 180 - 350
A B C D E

A:Series
B:Package
C:Output Watt
D:Output Voltage
E:Output Current



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 | |
| LGA10-120-300 | 6.0-12.0 | 300 | 3.6 | 80 |
| LGA10-180-300 | 9.0-18.0 | 300 | 5.4 | 81 |
| LGA10-260-300 | 18.0-26.0 | 300 | 7.8 | 82 |
| LGA10-360-300 | 24.0-36.0 | 300 | 10.8 | 82 |
| LGA10-120-350 | 6.0-12.0 | 350 | 4.2 | 80 |
| LGA10-180-350 | 9.0-18.0 | 350 | 6.3 | 81 |
| LGA10-260-350 | 18.0-26.0 | 350 | 9.1 | 82 |
| LGA10-095-500 | 5.0-9.5 | 500 | 4.8 | 80 |
| LGA10-120-500 | 6.0-12.0 | 500 | 6.0 | 81 |
| LGA10-180-500 | 9.0-18.0 | 500 | 9.0 | 82 |
| LGA10-045-700 | 3.0-4.5 | 700 | 3.2 | 80 |
| LGA10-090-700 | 4.5-9.0 | 700 | 6.3 | 81 |
| LGA10-180-700 | 12.0-18.0 | 700 | 12.6 | 82 |

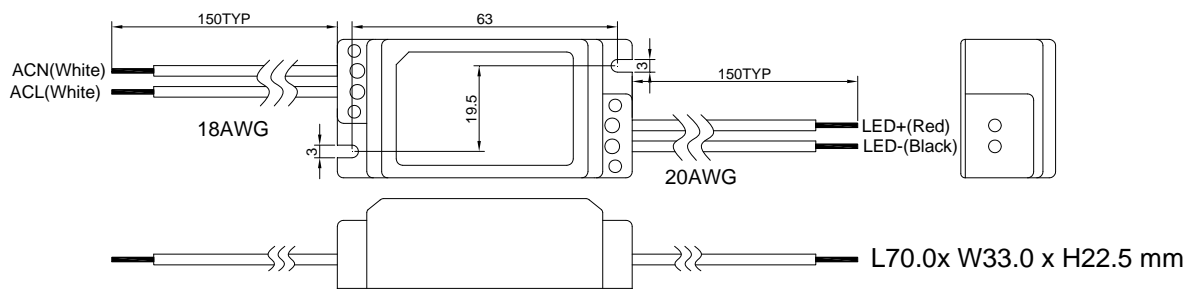
Input Specifications

| Parameters | Conditions | Min | Typ | Max | Units |
|---------------------|--------------------------------------|-----------|---------|-----|-------|
| Rated Input Voltage | Vo,lo nom | | 100~240 | | Vac |
| Voltage Range | Vo,lo nom | 90 | | 264 | Vac |
| Line frequency | Vi nom,lonom | 47 | 50/60 | 63 | Hz |
| Inrush Current | Io nom | | | 10 | A |
| | | Vi:115VAC | | 20 | A |
| Power Factor | PF>0.80 / 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,lo nom | -20 | | +50 | °C |
| Protection | Over Current | >108% rated output power(Constant current limiting) | | | |
| | | Protection type: Recovers automatically after fault condition is removed | | | |
| | Over Voltage | 120%-150% rated output Voltage | | | |
| | | Protection type: Recovers automatically after fault condition is removed | | | |
| Short circuit | Recovers automatically after fault condition is removed | | | | |

Markings and dimensions



UNIT:mm Unless otherwise specified,all tolerances are ±0.50