

## Model: GP-LC5026-15 (13Watt)

### ▪ Features

- Universal AC Input Range. (up to 264VAC)
- Constant Current Design.
- Class 2 Power Supply Unit.
- Built-in Active PFC Function.
- Protections: SCP/OCP.
- Fully Isolated Plastic Case.

### ▪ Approvals



### ▪ Size

85 x 63 x 32.5 mm (L x W x H)

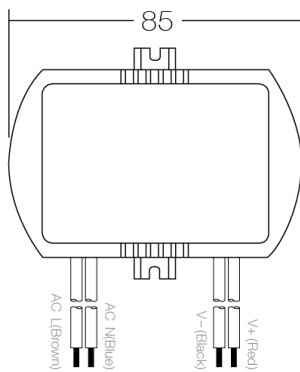


### ▪ Specifications

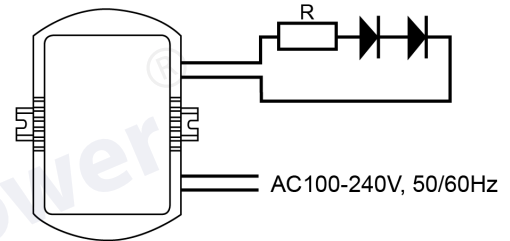
| Model No.    |                              | GP-LC5026-15  |
|--------------|------------------------------|---|
| Output       | DC Voltage Range             | 10-26VDC  |
|              | Rated Current                | 500mA   |
|              | Rated Max. Power             | 13W   |
|              | Ripple & Noise (Max.) Note.2 | 5.1Vp-p   |
|              | Current Tolerance (Note.3)   | ±6%   |
|              | Line Regulation              | ±2%   |
|              | Load Regulation              | ±6%   |
| Input        | Voltage Range (Note.4)       | 100-240VAC  |
|              | Frequency Range              | 50 Hz / 60 Hz   |
|              | Efficiency(Typ.) Note.1      | 70%   |
|              | AC Current                   | 0.23A at 115VAC / 0.15A at 230VAC                                     |
|              | Power Factor                 | >0.95 at 115VAC / > 0.9 at 230VAC with full load                      |
|              | Inrush Current (Max.)        | 20A at 240VAC   |
| Protections  | Short Circuit                | Hiccup mode, recovers automatically after fault condition is removed. |
|              | Over Current                 | 110% - 120% rated output Current, auto-recovery                       |
| Environment  | Working Temp.                | -10 ~ 40°C(Refer to "Derating Curve")                                 |
|              | Working Humidity             | 20% ~ 90% RH non-condensing.  |
|              | Storage Temp., Humidity      | -20 ~ +80°C ,10% ~ 95% RH   |
| Safety & EMC | Safety Standards             | meet EN61347-1,EN61347-2-13 ,UL8750 refer UL1310                      |
|              | Withstand Voltage            | I/P - O/P: 3.75K VAC  |
|              | Isolation Resistance         | I/P - O/P:>100M Ohms /500VDC / 25°C /70% RH                           |
|              | EMC Emission                 | Compliance to EN55015   |
|              | EMC Immunity                 | Compliance to EN61547,EN61000-4-2,3,4,5,6,8,11                        |
| Connection   | Input                        | UL rated, 18AWG x 2C (150 mm)   |
|              | Output                       | UL rated, 18AWG x 2C (150 mm)   |
| Others       | MTBF                         | 100K hours min. @Ta=25°C  |
|              | Dimension (L x W x H)        | 85 x 63 x 32.5mm; 232g/pcs  |

|      |  |
|------|--|
| Note | <ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.</li> <li>2. Ripple &amp; Noise are measured at 20MHZ of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf paraliel capacitor.</li> <li>3. Tolerance : includes set up tolerance, line regulation and load regulation.</li> <li>4. Derating may be needed under low input voltage. Please check the static characteristics for more details.</li> <li>5. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.</li> <li>6. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.</li> <li>7. The unit might not be suitable for lighting applications in EU countries. Please check with your local authorities for the possible use of the unit.</li> <li>8. Suitable for indoor use or outdoor use without direct sunlight exposure.</li> </ol> |
|------|--|

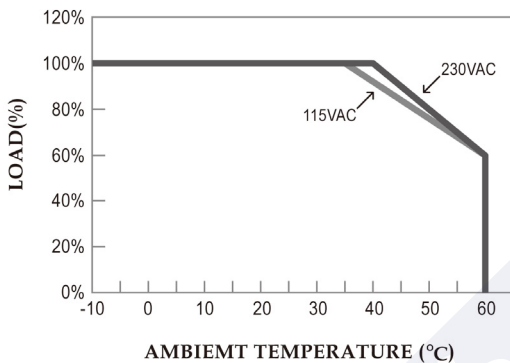
▪ **Mechanical Specification**



▪ **Recommended installation**



▪ **Power Derating Curve**



▪ **Power Static Characteristics**

