

Model: LCxxxx-01 Series (3~6 Watts single output)

▪ Features

- Universal AC Input 90~264VAC.
- Built-in Constant Current Limiting Design.
- For High Brightness Light-Emitting Diode Products.
- Fully Isolated Plastic Case.
- Operation from -10°C~40°C Full Load.
- Protections: OVP / OLP/ SCP.
- Class II Power Design Without Earth Pin.

▪ Approvals



▪ Size

58 x 40 x 21 mm (L x W x H)

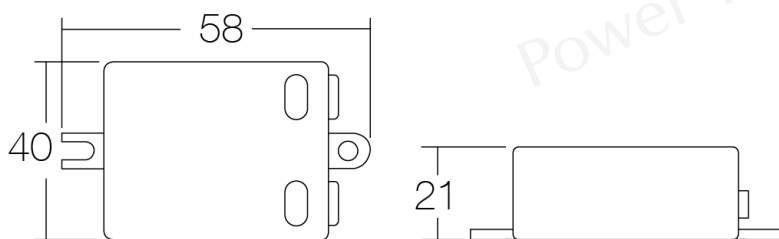


▪ Specifications

| Model No. | | GP-LC3512-01 | GP-LC7012-01 |
|--------------|----------------------------|--------------------------------------------------------------------------------------------|--------------|
| Output | LED Operation Voltage | 3-12VDC | 3-12VDC |
| | Rated Current Range | 350mA ±6% | 700mA ±6% |
| | Rated Max. Power | 3W | 6W |
| | Efficiency (Typ.) 230VAC | 75% | 75% |
| | Rise Time | <250ms at full load | |
| Input | Voltage Range | 90VAC ~ 264VAC | |
| | Frequency Range | 47 Hz ~ 63 Hz | |
| | AC Current | 0.2A at 115VAC / 0.1A at 230VAC | |
| | Inrush Current | No components will be stressed over its max specification according to I2T | |
| | Leakage Current | <0.25mA / 240VAC | |
| Protections | Over Load | 100~135% rated output power recovers automatically after fault condition has been removed. | |
| | Short Circuit | Type: Hiccup mode, Recovers automatically after fault condition is removed. | |
| | Over Voltage | 105-120% rated output Voltage | |
| Environment | Operation Temp. | -10 ~ 40°C Full Load | |
| | Operation Humidity | 20% ~ 95% RH non-condensing. | |
| | Storage Temp. | -20 ~ +80°C | |
| | Storage Humidity | 10% ~ 95% RH | |
| | Vibration | 10~500 Hz, 2G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes. | |
| Safety & EMC | Safety Standards | meet EN61347-1, EN61347-2-13 | |
| | Withstand Voltage | meet I/P - O/P: 3.75K VAC | |
| | Isolation Resistance | meet >100M ohms / 500VDC at 25°C | |
| | EMI Conduction & Radiation | meet EN55015 | |
| | Harmonic Current | Compliance to EN61000-3-2 Class C, EN61000-3-3 | |
| | EMS Immunity | meet EN61547, EN61000-4-2, 3, 4, 5, 6, 8, 11 | |

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|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Others | MTBF | 400K hours min.MIL-HDBK-217F(25°C) |
| | Dimension(L x W x H) | 58 x 40 x 21mm; 36.5g/pcs |
| Note | <p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.</p> <p>2. Constant current operation region is within the specified output voltage range above. This is the suitable operation region for LED related applications.</p> <p>3. The power supply is considered a component which will be installed a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.</p> | |

▪ **Mechanical Specification**



▪ **Configuration arrays when using with 3Ø&5Ø LED**

