

Model: GP-HS05N Series

■ Features

- Universal AC Input 90~264VAC.
- Constant Current Operation.
- Protections: OCP / SCP.
- Cooling by Free Air Convection.
- IP67.
- Suitable for High Brightness Light-Emitting Diode products.

■ Approvals



■ Size

57 x 41 x 24 mm (L x W x H)

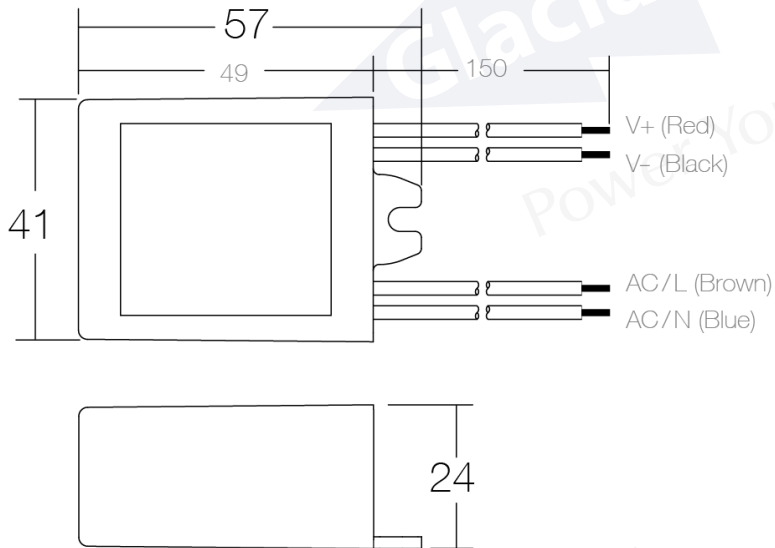


■ Specifications

| | Model No. | GP-HS05N-07C | GP-HS05N-12C | GP-HS05N-24C |
|--------------|-----------------------------------|--|--------------|--------------|
| Output | DC Voltage | 7.5V | 12V | 24V |
| | Constant Current Region Note.2 | 5 ~ 7.5V | 7 ~ 12V | 15 ~ 24V |
| | Rated Current | 700mA | 350mA | 200mA |
| | Current Tolerance | ±7% | | |
| | Rated Power | 5.2W | 4.2W | 4.8W |
| | Efficiency at 230V AC(Typ.) | 70% | 70% | 70% |
| | Voltage Tolerance Note.3 | ±5% | | |
| | Set up time (Max.) | < 1S | | |
| Input | Voltage Range | 90 – 264VAC | | |
| | Rated Voltage | 100 – 240VAC | | |
| | Frequency Range | 50 Hz - 60 Hz | | |
| | AC Current (Max.) | 0.15A at 115VAC / 0.1A at 230VAC | | |
| Protections | Over Current | Constant current mode protection | | |
| | Short Circuit | Type: Hiccup mode & recovers after fault condition disappeared. | | |
| Environment | Operation Temp. | -20°C ~ 50°C | | |
| | Operation Humidity | 20% ~ 90% RH non-condensing. | | |
| | Storage Temp. | -40 ~ +80°C | | |
| | Storage Humidity | 10% ~ 90% RH | | |
| | Vibration | 10~500 Hz, 2G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes. | | |
| Safety & EMC | Safety Standards | Compliance EN61347-1,EN61347-2-13 ,IP67 | | |
| | Withstand Voltage | I/P-O/P: 3.75KVAC | | |
| | Isolation Resistance | I/P-O/P:100M ohms / 500VDC at 25°C | | |
| | EMI Conduction & Radiation | Compliance to EN55015,FCC part 15 | | |
| | Harmonic Current | Compliance to EN61000-3-2 Class C,EN61000-3-3 | | |
| | EMS Immunity | Compliance to EN61000-4-2,3,4,5,6,8,11;EN61547 | | |
| Others | MTBF | 200K hours min. MIL-HDBK-217F(25°C) | | |
| | Dimension(L x W x H) | 57 x 41 x 24mm; 77.4g/pcs | | |

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|------|---|
| Note | <ol style="list-style-type: none">1. All specifications not specially mentioned are measured at 230VAC and 25°C ambient temperature.2. This is the suitable operation region for LED related applications, but please reconfirm special electrical requirements for some specific system design.3. Voltage Tolerance: includes line regulation, load regulation and set-up tolerance. |
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■ **Mechanical Specification**



■ **Derating Curve**

