

SMART LED DRIVER SPECIFICATIONS

Features：

1.Universal external LED power supply

2.High power factor

3.High constant current accuracy

4.Only for indoor Model: HYD-GD8P0500-W02

5.Five years warranty





Parameters:

|  |  |  |
| --- | --- | --- |
| Model | | HYD-GD8P0500-W02 |
| Output | V-output Range(DC) | 20-42V |
| Constant I-output Range(A) | 470-520mA |
| Rated current | 36V |
| Rated Power | 20W |
| Ripple & noise (Note 3) | 30mV |
| Current ADJ.Range | 470-520mA |
| Voltage Accuracy |  |
| Line Regulation | ±5% |
| Load Regulation | ±5% |
| Time | ≤700ms |
| Dimmable Function | 0-10V DIM |
| Input | V-input (AC) | 230VAC |
| V-input Range | 200-240VAC |
| Frequency range | 50Hz |
| PF (Note 4) | >0.9/230VAC |
| THD | When the output load ≥ 50% 230vac THD <15% |
| Efficiency (Note 5) | >83%/230Vac |
| I-input | <0.3A max./100Vac |
| Surge Current | I<60A/200uS@230Vac |
| Leak Current | <0.75A/230Vac |
| Start-up Time | <0.5S/230VAC,at full load |
| Protection | Short Circuit | Hiccup Mode(Auto-Recover) |
| Open Circuit | 50V |
| Over-Temp (Note 6) | 150℃ |
| Environment | Working Temp | -25℃ - +45℃ |
| Working Humidity | 20-90%RH (no condensation) |
| Storage Temp | 10-90%RH(no condensation) |
| IP Level | N/A |
| |  | | --- | | VIBRATION |  |  | | --- | | VIBRATION |  |  | | --- | | VIBRATION | | |  | | --- | | 1. -500Hz,5G 12min./1cycle,period for 72min. eachalong X,Y,Z axes | |
| Tc | 83℃(ta:45℃) |
| MTBF | 50000H min.,MIL-HDBK-217F(45℃) |
| EMC Regulation | CE | EN 55015 |
| RE | EN55015 CDN |
| Safety | SAFETY STANDARDS | EN61347-1，2-13;;UL1310，UL1012，UL8750 |
| CERTIFICATE | N/A |
| WITHSTAND VOLTAGE | 3750V |
| ISOLATION RESISTANCE | 50MΩ |
| Package | Appearance Size | L103\*W64\*H27(mm) |
| NW |  |
| PCS/CTN |  |
| ENVIRONMENTAL PROTECTION | RoHS |
| NOTE |  | |

Appearance size：



H：27mm

W：64mm

L：103mm

SIDE：L\*W\*H=103\*64\*27mm

Lifespan Diagram:

In a closed space, the life of the product is calculated when the shell temperature reaches 40 °C, 50 °C, 60 °C, 70 °C, 80 °C, 85 °C

lifetime（khours）