

LEDDRIVER

NPS-150

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Non-Dimmable Electronic Control Gear With Active PFC

• Features:

- Universal AC input 90VAC~300VAC
- Protections: Short Circuit/ Overcurrent /Over voltage
- Cooling by free air convection
- Built inactive PFC function
- IP67 design for indoor or outdoor installations
- Suitable for LED lighting and moving sign applications

SPECIFICATION

| MODEL | 150750 | 150625 | 150500 | 150416 | 150312 | |
|--------------|--|--|---------|----------|---------|--------|
| Output | DC Voltage | 20V | 24V | 30V | 36V | 48V |
| | Constant Current Region | 15~20V | 18~24V | 22.5~30V | 27~36V | 36~48V |
| | Rated Current | 7.5A | 6.25A | 5A | 4.16A | 3.12A |
| | Rated Power | 150W | | | | |
| | Ripple & Noise(max.) | 150mVp-p | | | | |
| | Open Circuit Voltage | 17~22V | 22~27V | 26~32 | 31~41V | 40~56V |
| | Voltage Tolerance | ±2% | | | | |
| | Line Regulation | ±0.5% | | | | |
| | Load regulation | ±1% | | | | |
| | Hold Up time (Typ.) | >20ms@230VAC | | | | |
| Input | Voltage Range | 90VAC~300VAC | | | | |
| | Frequency Range | 45Hz - 65Hz | | | | |
| | Power Factor | >0.95 at 100%load | | | | |
| | Efficiency | >87% | | | | |
| | Current@230VAC(Typ.) | 789mA | | | | |
| | Inrush Current | <30A @230VAC | | | | |
| | Leakage Current | <1mA @230VAC | | | | |
| Protection | OverCurrent (Typ.) | Protection type :Constant current limiting, recover automatically after fault condition is removed | | | | |
| | Short Circuit | Hiccup mode, recovers automatically after fault condition is removed | | | | |
| | OverVoltage | 23 ~27V | 28 ~34V | 33 ~36V | 42 ~48V | 59~70V |
| | | Protection Type: Hiccup Mode, Recovers automatically after fault condition is removed. | | | | |
| Environment | Working Temp. Range | -30°C to 70°C. | | | | |
| | Working Humidity | 20 to 90%RH Non Condensing. | | | | |
| | Storage Temp Humidity | -40 to 80°C, 10 to 95%RH. | | | | |
| | Vibration | 10 to 500Hz, 2G, 20min/sweep, period-1Hr, Each along X, Y, Z axes. | | | | |
| Safety & EMC | Safety Standard | Designed to meet IS 15885-2-13, UL60950-1 | | | | |
| | Withstand Voltage | I/P-O/P : 3KVAC I/P-FG : 1.5KVAC O/P-FG : 0.5KVAC | | | | |
| | Isolation Resistance | I/P-O/P, I/P-FG, O/P-FG: 100M Ohms/ 500VDC/25 °C/ 70% RH | | | | |
| | EMC Emission | Designed to meet EN61000-3-2 Class C(≥75%load); EN61000-3-3 | | | | |
| | EMC Immunity | Designed to meet EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61547, Light industry level (Surge 2KV), Criteria A | | | | |
| Others | Cooling | Natural Cooling. | | | | |
| | Enclosure Protection | IP 67 | | | | |
| | Dimension | 224 x 76 x 46mm (L*W*H)(With mounting) | | | | |
| Note | 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25Deg. Ambient temperature. 2. Tolerance : includes set up tolerance, line regulation and load regulation. 3. Specifications are subject to change without prior notice due to constant improvement in design & technology. 4. Constant current operation region is within 75% ~100% rated output voltage. This is the suitable operation region for LED related applications, but please reconfirm special electrical requirements for some specific system design. | | | | | |

