

SPECIFICATION

| | |
|---|---|
| Description | 220-240V TRIAC Dimming LED Driver, Constant Voltage Driver |
| Electrical Characteristics | Ta = 25°C, 220-240Vrms input, standard reference load; unless otherwise specified |
| Class II, IP20, thermally protected 110, independent driver | |

| Product Name | | |
|---------------------------|-----------------|-----------------------|
| Input Parameters | | |
| Rated Input Voltage | U _{in} | 220-240VAC |
| Input Current (Full load) | I _{in} | 0.60A |
| Input Frequency | f _{in} | 50/60Hz |
| Maximum Input Power | P _{in} | 115W |
| Power Factor (Full load) | λ | ≥0.95 |
| THD(Full load) | | ≤15% |
| No-load power | | ≤1.0W |
| Efficiency (Full load) | η | ≥91% |
| Inrush current(Max) | | 45A&500us(Cold start) |
| Turn on time | | ≤500ms |

| Output Parameters | | |
|--------------------------------|------------------|-----------|
| Output Voltage | V _{out} | 24V±5% |
| Output Current | I _{out} | 1.4-4.2A |
| Output Power (Full load) | P _{out} | 100W |
| Operating Frequency(Full load) | F _{out} | 90-120KHz |
| PWM Frequency | | 300Hz |
| Dimming Range | | 1-100% |
| Ripple & Noise (Max) | | 300mVp-p |
| Load Regulation | | ±2% |
| Line Regulation | | ±2% |

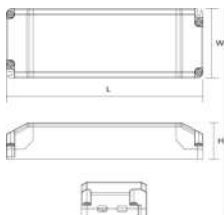
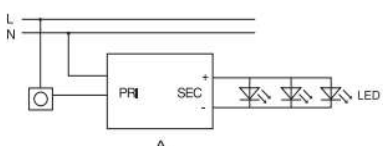
| Ambient | | |
|--|----------------|----------------|
| Storage Temperature | t _s | -20 ... + 70°C |
| Operating Ambient Temperature | t _a | -20 ... + 50°C |
| Case Temperature at t _c Point | t _c | 90°C |
| Relative humidity | | 5 ... 85% |

| Protection | | |
|---------------|--|-----------------------------------|
| No Load | | Auto-recovery if fault is removed |
| Over Load | | Auto-recovery if fault is removed |
| Short Circuit | | Auto-recovery if fault is removed |

| System Parameters | | |
|-------------------|--|--|
| Withstand voltage | | 3.75KVAC, I _{leakage} <5.0mA, 60S |
| Expected Life | | 30,000Hours |

| Compliances and approvals | | |
|---------------------------|--|----------------------|
| Safety | | EN 61347-2-13 |
| RFI | | EN 55015 |
| Harmonics | | EN 61000-3-2 Class C |
| Immunity | | EN 61547 |

| Note | | |
|--|--|--|
| 1. All parameters NOT specially mentioned are measured at 240VAC input, rated load and 25 of ambient temperature. | | |
| 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor. | | |
| 3. Expected Life:t _c =80°C ,0.2%/1000h failure rate | | |

| Physical Parameter | | |
|---|---|--|
| Dimensions(LxWxH): 210x67x34mm |  |  |
| Housing Material:PC Plastic | | |
| Captured Terminal Screw for 0.75~2.5mm ² | | |