

### SPECIFICATION

|                                     |                                                                                   |  |
|-------------------------------------|-----------------------------------------------------------------------------------|--|
| Description                         | 220-240V Triac Dimming LED Driver, Constant Current 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 |  | 3253535 |
|--------------|--|---------|

### Input Parameters

|                            |     |             |
|----------------------------|-----|-------------|
| Rated Input Voltage        | Uin | 220-240VAC  |
| Input Current (Full load)  | Iin | 0.16A       |
| Input Frequency            | fin | 50/60Hz     |
| Maximum Input Power        | Pin | 32W         |
| Power Factor (Full load)   | λ   | ≥0.95       |
| THD(Full load)             |     | ≤25%        |
| Efficiency (Full load)     | η   | ≥83%        |
| Inrush current(Cold Start) | Apk | 5(th=100us) |
| Turn on time               |     | ≤500ms      |

### Output Parameters

|                                |      |          |
|--------------------------------|------|----------|
| Output Voltage                 | Vout | 23-46V   |
| Output Current (Full load)     | Iout | 550mA±5% |
| Output Power (Full load)       | Pout | 25W      |
| Operating Frequency(Full load) | Fout | 70KHz    |
| Ripple & Noise                 |      | ≤70mA    |
| Percent flicker                |      | ≤3%      |
| Load Regulation                |      | ≤5%      |
| Line Regulation                |      | ≤5%      |

### Ambient

|                               |    |               |
|-------------------------------|----|---------------|
| Storage Temperature           | ts | -20 ...+ 70°C |
| Operating Ambient Temperature | ta | -20 ...+ 40°C |
| Case Temperature at tc Point  | tc | 70°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<5mA,60s |
| Expected Life     |  | 100,000Hours               |

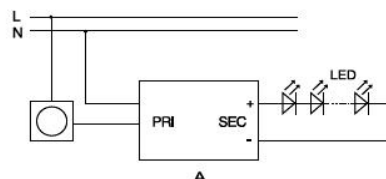
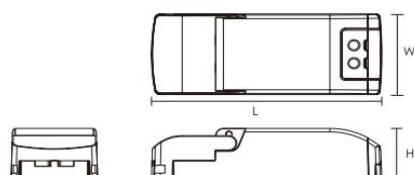
### Compliances and approvals

|           |  |                      |
|-----------|--|----------------------|
| 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:tc=85°C,0.2%/1000h failure rate

### Physical Parameter



Dimensions(LxWxH): 120x45x28mm

Housing Material: PC Plastic

Input Captured Terminal Screw for 0.75~2.5mm<sup>2</sup>; Output Captured Terminal Screw for 0.5~2.5mm<sup>2</sup>.