

SPECIFICATION

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|-------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 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 | |

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|-----------------------------|--------|--------------|--|
| Product Name | LIM-8T | | |
| Input Parameters | | | |
| Rated Input Voltage | Uin | 220-240VAC | |
| Input Current (Full load) | Iin | 0.06A | |
| Input Frequency | fin | 50/60Hz | |
| Maximum Input Power | Pin | 12W | |
| Power Factor (Full load) | λ | 0.90C | |
| THD(Full load) | | ≤25% | |
| Efficiency (Full load) | η | ≥79% | |
| Inrush current (Cold Start) | Apk | 5A(th=100us) | |
| Turn on time | | ≤500ms | |

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|--------------------------------|------|-----------|----------|----------|----------|
| Output Parameters | | | | | |
| Output Voltage | Vout | 21-42V | | | |
| Output Current (Full load) | Iout | 120mA±10% | 150mA±8% | 180mA±5% | 200mA±5% |
| Output Power (Full load) | Pout | 5W | 6.3W | 7.5W | 8W |
| Operating Frequency(Full load) | Fout | 70-100KHz | | | |
| Ripple & Noise | | ≤30mAp-p | | | |
| Load Regulation | | ≤10% | | | |
| Line Regulation | | ≤5% | | | |

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|-------------------------------|----|---------------|--|--|
| Ambient | | | | |
| Storage Temperature | ts | -20 ...+ 70°C | | |
| Operating Ambient Temperature | ta | -20 ...+ 50°C | | |
| Case Temperature at tc Point | tc | 80°C | | |
| Relative humidity | | 5 ...85% | | |

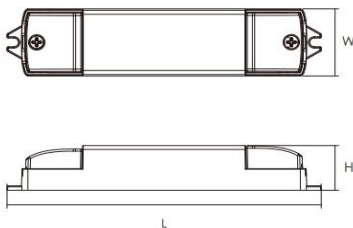
| | | | |
|-------------------|--|-----------------------------------|--|
| Protection | | | |
| No Load | | Auto-recovery if fault is removed | |
| Over Load | | Auto-recovery if fault is removed | |
| Short Circuit | | Auto-recovery if fault is removed | |

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|--------------------------|--|-----------------------------|--|
| System Parameters | | | |
| Withstand voltage | | 3.75KVAC, I leakage<5mA,60s | |
| Expected Life | | 50,000Hours | |

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|----------------------------------|--|----------------------|--|
| 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=80°C,0.2%/1000h failure rate

Physical Parameter



Dimensions(LxWxH): 132x30x20mm

Housing Material: PC Plastic

Input Captured Terminal Screw for 0.75~2.5mm²; Output Captured Terminal Screw for 0.5~1.5mm²

