

18W Constant Current (350mA) LED Driver

IZC035-017F-0067A-SA

Technical Features:

- Constant current mode power supply
- 180-264VAC input only
- Fully encapsulated with IP67 level (Note.6)
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- LPS Compliant
- 100% full load burn-in test
- Suitable for LED lighting and moving sign applications
- High reliability



Specification

LPS IP67 CE

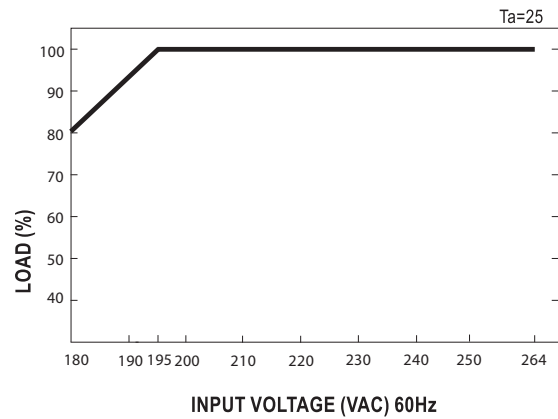
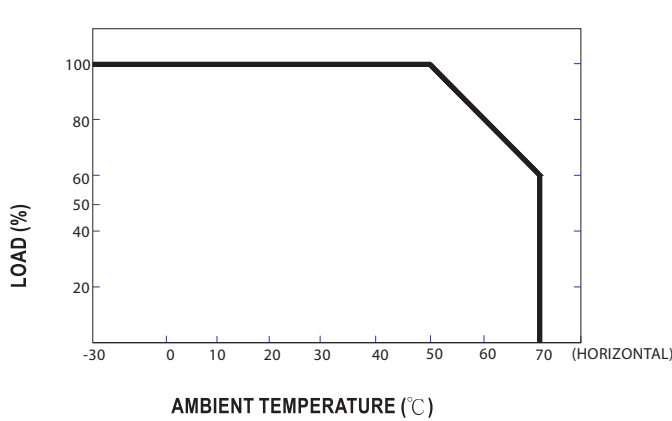
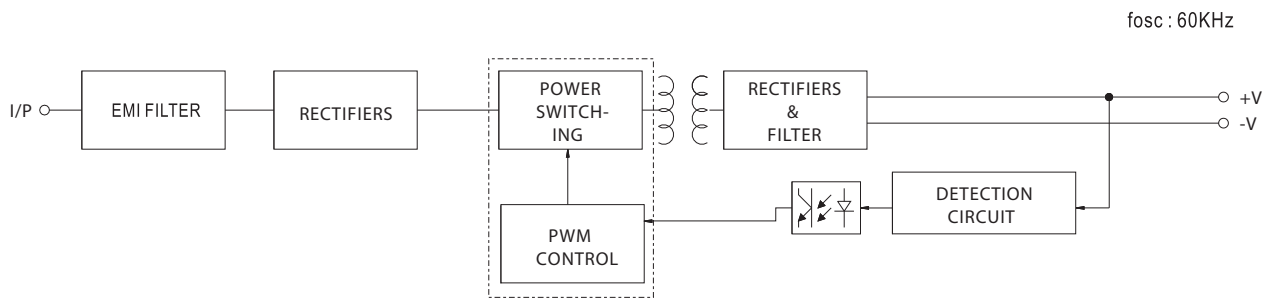
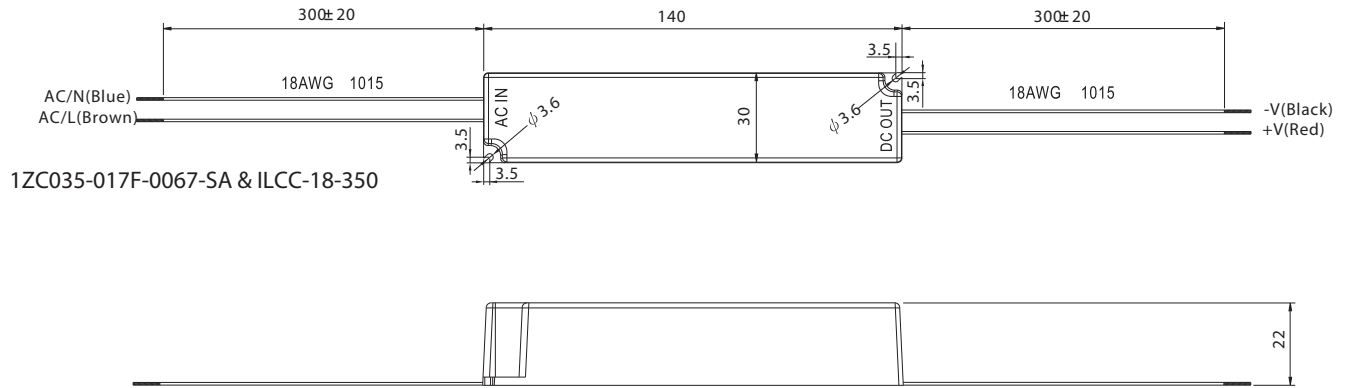
| Model | | IZC035-017F-0067A-SA & ILCC-18-350 |
|------------|------------------------------|---|
| Output | RATED CURRENT | 350mA |
| | DC VOLTAGE RANGE | 6 - 48 volts |
| | RATED POWER | 16.8 Watts |
| | RIPPLE & NOISE (max.) Note.2 | 300mVp-p |
| | VOLTAGE TOLERANCE Note.3 | ±5.0% |
| | LINE REGULATION | ±1.0% |
| | LOAD REGULATION | ±3.0% |
| | SETUP, RISE TIME | 3600mS, 100mS / 230 VAC |
| Input | HOLD UP TIME (Typ.) | 20ms/230VAC at full load |
| | VOLTAGE RANGE | 180 - 264 VAC 254 - 370 VDC |
| | FREQUENCY RANGE | 47 - 63 Hz |
| | EFFICIENCY(Typ.) | 80% |
| | AC CURRENT | 0.3A/230VAC |
| | INRUSH CURRENT(max.) | Cold start 50A/230VAC |
| Protection | LEAKAGE CURRENT | 0.25mA/240VAC |
| | CURRENT LIMIT | ± 5% rated output current Protection type : Constant current limiting type |
| | OVER VOLTAGE | 50.4 - 60V Protection type : Shut off o/p voltage, clamping by zener diode |
| | OVER TEMPERATURE | Tj 170J † typically (U1) Detect on main control IC Protection type : Hiccup mode, recovers automatically after temperature goes down |

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|--------------------------|----------------------------|--|
| Environment | WORKING TEMP. | -30 - 70 °C (Refer to output load derating curve) |
| | WORKING HUMIDITY | 20 - 90% RH non-condensing |
| | STORAGE TEMP., HUMIDITY | -40 - +80 °C , 10 - 95% RH |
| | TEMP. COEFFICIENT | ±0.2%/°C (0 - 50 °C) |
| | VIBRATION | 10 - 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes |
| Safety & EMC (Note 5) | SAFETY STANDARDS | IP67 approved; design refer to UL1310 Class 2,TUV EN60950-1, EN61347-2-13, CAN/CSA C22.2 No. 223-M91 |
| | WITHSTAND VOLTAGE | I/P-O/P:3KVAC |
| | ISOLATION RESISTANCE | I/P-O/P:>100M Ohms / 500VDC / 25 / 70% RH |
| | EMI CONDUCTION & RADIATION | Compliance to EN55022 (CISPR22) Class A |
| | HARMONIC CURRENT | Compliance to EN61000-3-2 Class A,EN61000-3-3 |
| | EMS IMMUNITY | Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, Light industry level, criteria A |
| Others | MTBF | 1200.6K hrs min. MIL-HDBK-217F (25J) |
| | DIMENSION | 140*30*22(L*W*H) |

Notes:

1. All parameters NOT specially mentioned are measured at 230VAC 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. Tolerance : includes set up tolerance, line regulation and load regulation.
4. Derating may be needed under low input voltage. Please check the static characteristic for more details.
5. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.
6. Suitable for indoor use or outdoor use without direct sunlight exposure.

Mechanical Outline



For further information please contact ILS

The values contained in this data sheet can change due to technical innovations. Any such changes will be made without separate notification.