

LED 20W-IP67 Constant Current

20W

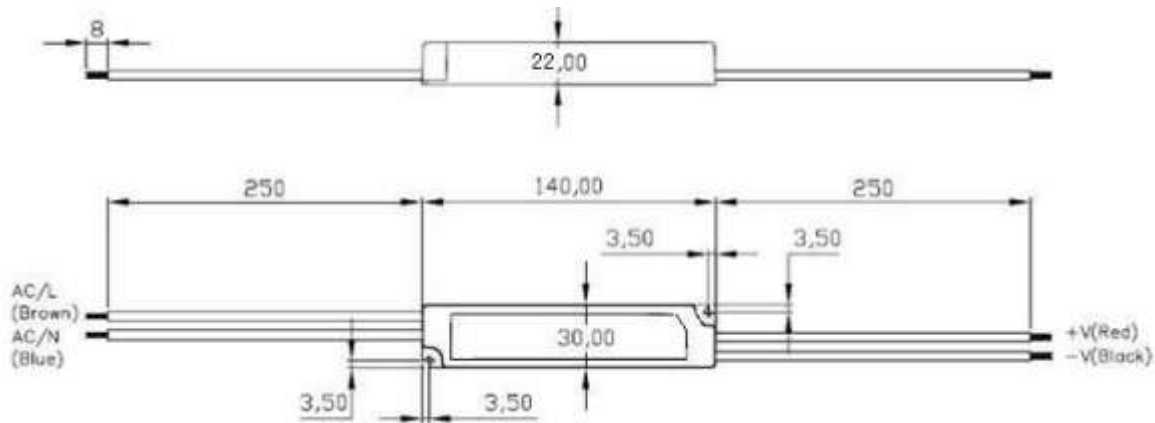
- Constant current mode power supply
- 100-240VAC input only
- Fully encapsulated with IP67 level
- Protections: Short circuit/Over current /Over Voltage
- Small and compact size
- UL1310 Class 2 power unit
- 100% full load burn-in test
- Suitable for LED lighting and moving sign applications
- 1 year warranty



Specification:

| MODEL | | LED 350MA20W-IP67 | LED 700MA20W-IP67 |
|--------------|---|---|-------------------|
| | DC VOLTAGE RANGE | 9-48V | 3-30V |
| | CURRENT RANGE | 350mA ±3% | 700mA ±3% |
| | RATED POWER | 16.8W | 21.0W |
| | RIPPLE & NOISE (max.) | 200mVp-p | 200mVp-p |
| | VOLTAGE TOLERANCE | ±3.0% | |
| | LINE REGULATION | ±1.0% | |
| | LOAD REGULATION | ±2.0% | |
| | SETUP,RISE TIME | 500ms,250ms/230VAC 500ms,250ms/115ac at full load | |
| | HOLD UP TIME(Typ.) | 50ms/230VAC 24ms/115VAC at full load | |
| INPUT | VOLTAGE RANGE | 100-240VAC | |
| | FREQUENCY RANGE | 47~63Hz | |
| | EFFICIENCY(Typ.) | 80% full load | 80% full load |
| | AC CURRENT(at full load) | 0.55A/100VAC | 0.25A/240VAC |
| | INRUSH CURRENT (max.) | COLD STAT 70A/240VAC 35A/120VAC at full load | |
| | LEAKAGE CURRENT | 0.25mA/240VAC | |
| PROTECTION | OVER CURRENT | Above 105% rated output power. Protection type: Hiccup mode, recovers automatically after fault condition is removed. | |
| | OVER TEMPERATURE | Tj 140°C typically(IC1) Detect on main control IC Protection type: Hiccup mode, recovers automatically after temperature goes down | |
| ENVIRONMENT | WORKING TEMP. | -10~50°C | |
| | WORKING HUMIDITY | 20~90% RH non-condensing | |
| | STORAGE TEMP., HUMIDITY | -40~80°C, 10~95% RH | |
| | TEMP.COEFFICIENT | ±0.03%/°C (0~50°C) | |
| | VIBRATION | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X,Y, Z axes | |
| SAFETY & EMC | SAFETY STANDARDS | Design refer to UL1310 Class 2,TUV EN60950-1, EN61347-2-13, CAN/CSA C22.2 No. 223-M91, meet IP67 | |
| | 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 B | |
| | HARMONIC CURRENT | Compliance to EN61000-3-2,-3 | |
| EMS IMMUNITY | Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A | | |
| DIMENSIONS | | 140*30*22mm (L*W*H) | |

Mechanical Specification



Block Diagram

