



■ Features :

- Constant current mode design
- Universal AC input / Full range
- Protections: Short circuit / Over current / Over voltage
- Fully isolated plastic case
- Small and compact size
- Cooling by free air convection
- Pass LPS
- Suitable for LED lighting and moving sign applications
- 100% full load burn-in test
- Low cost / High reliability
- 2 years warranty

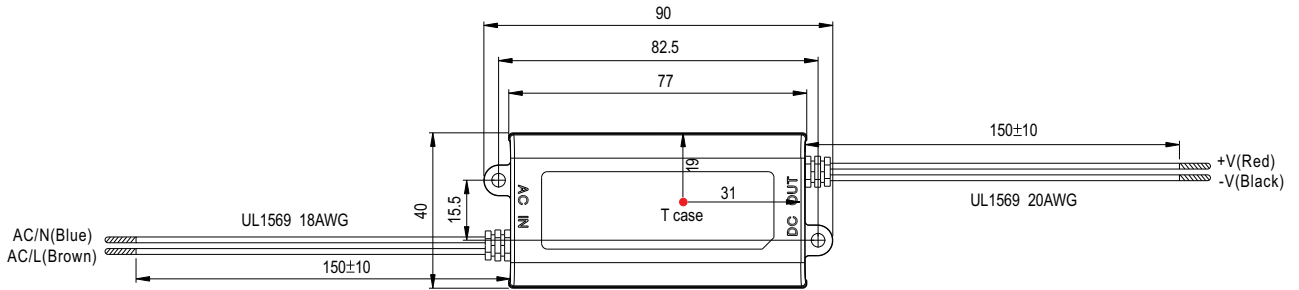


SPECIFICATION

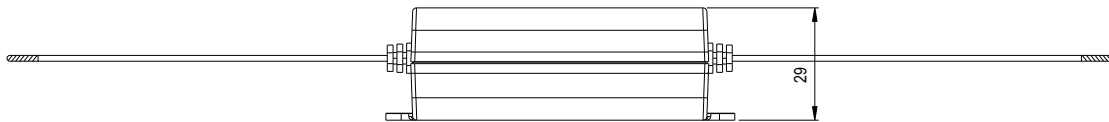
| MODEL | | APC-16-350 | APC-16-700 |
|-----------------------|---|---|-------------|
| OUTPUT | RATED CURRENT | 350mA | 700mA |
| | DC VOLTAGE RANGE | 12~48V | 9~24V |
| | RATED POWER | 16.8W | 16.8W |
| | RIPPLE & NOISE (max.) Note.2 | 300mVp-p | 250mVp-p |
| | VOLTAGE TOLERANCE Note.3 | ±5.0% | |
| | CURRENT ACCURACY | ±5.0% | |
| | LINE REGULATION | ±1.0% | |
| | LOAD REGULATION | ±3.0% | |
| | SETUP, RISE TIME | 3000ms, 200ms / 230VAC 3000ms, 200ms / 115VAC at full load | |
| HOLD UP TIME (Typ.) | 20ms/230VAC 12ms/115VAC at full load | | |
| INPUT | VOLTAGE RANGE Note.4 | 90 ~ 264VAC 127 ~ 370VDC | |
| | FREQUENCY RANGE | 47 ~ 63Hz | |
| | EFFICIENCY(Typ.) | 84% | 83% |
| | AC CURRENT | 0.3A/230VAC;0.5A/115VAC | |
| | INRUSH CURRENT(max.) | Cold start 35A/115VAC,70A/230VAC | |
| | LEAKAGE CURRENT | 0.25mA / 240VAC | |
| PROTECTION | OVER VOLTAGE | 50.4~ 60V | 27.6~ 33.5V |
| | | Protection type : Shut off o/p voltage, clamping by zener diode | |
| ENVIRONMENT | WORKING TEMP. | -30 ~ 70°C (Refer to "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 | Design refer to TUV EN60950-1, EN61347-2-13, UL8750 | |
| | WITHSTAND VOLTAGE | I/P-O/P:3.75KVAC | |
| | ISOLATION RESISTANCE | I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH | |
| | EMC EMISSION | Compliance to EN55015,EN61000-3-2 Class A,EN61000-3-3 | |
| | EMC IMMUNITY | Compliance to EN61547,EN61000-4-2,3,4,5,6,8,11; light industry level(surge 2KV), criteria A | |
| OTHERS | MTBF | 1145.7K hrs min. MIL-HDBK-217F (25) | |
| | DIMENSION | 77*40*29(L*W*H) | |
| | PACKING | 0.1Kg; 120pcs/14Kg/0.93CUFT | |
| NOTE | <p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>4. Derating may be needed under low input voltage. Please check the static characteristic for more details.</p> <p>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.</p> | | |

Mechanical Specification

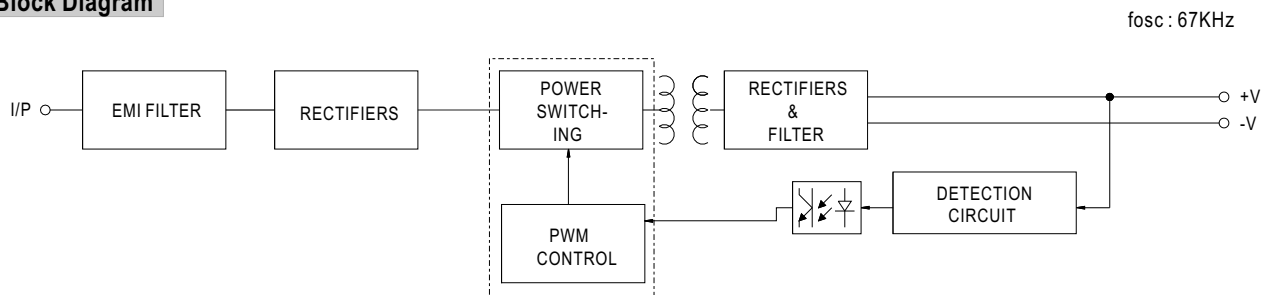
Unit:mm



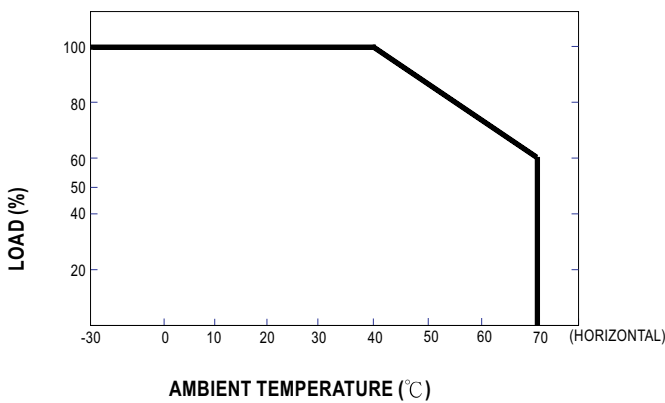
※ T case: Max. Case Temperature



Block Diagram



Derating Curve



Static Characteristics

