

# 35Watt Single Output Switching LED Power Supply

## IZCXXX-035F-9067C-QA Series

### Product Overview

IZCXXX-035F-9067C-QA Series operate from a 100-240Vac input range with either 350mA or 1000mA output currents. It is designed to be highly efficient and highly reliable. Features include Power Factor Correction and fully encapsulated to IP67.



### Applications

- LED Signs
- LED Strips and Tapes
- Outdoor LED Lighting
- Display Cases
- LED Down Lights and Office Lighting
- Retail and Entertainment Lighting

### Technical Features

- IP67 Rating
- Over current protection
- Built in Power Factor Correction >0.9
- 100% Full Load Burn-In Test
- Compact Size

### Product Options

ILS PART NUMBER	Output Voltage	Output Current	Power	LED Configuration (High Power)	Operating Temperature	Dimensions
IZC035-035F-9067C-QA	40-80	350mA	35W	12-22	-10°C - 50°C	148X32X26mm
IZC105-035F-9067C-QA	16-32	1050mA	35W	5-18	-10°C - 50°C	148X32X26mm

## Specification

### Output

- Current Accuracy  $\pm 5\%$
- Setup, Rise Time 2000ms/230VAC 3000ms/115VAC at full load
- Hold Up Time 60ms / 230VAC 30ms / 115VAC at full load

### Input

- Voltage Range 100 ~ 240VAC
- Frequency Range 47~63Hz
- Power Factor  $PF \geq 0.90/230VAC$   $PF \geq 0.95/115VAC$  at full load
- Efficiency 85%
- AC Current 0.6A/115AC 0.3A/240VAC
- Inrush Current COLD START 65A/230VAC
- Leakage Current <1mA / 240VAC

### Protect On

- Short Circuit Hiccup mode, recovers automatically after fault condition is removed
- Over Temperature Protection type : Shut down o/p voltage, recovers automatically after temperature goes down

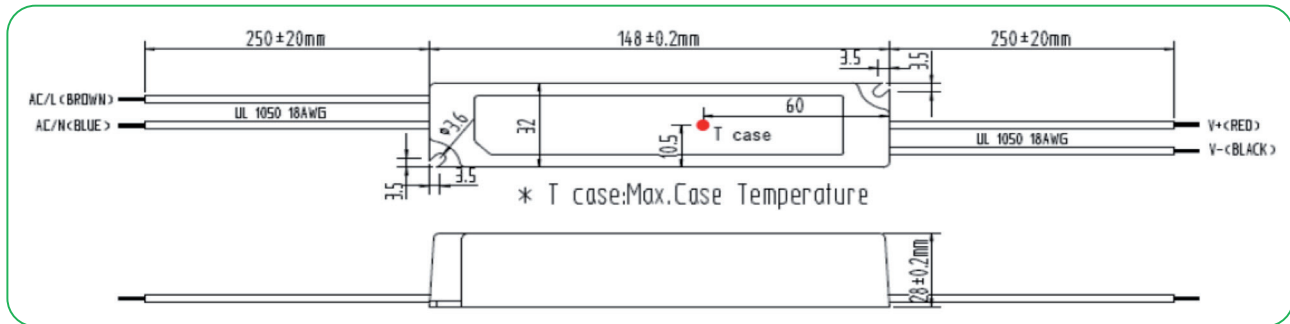
### Environment

- Working Temp -30 ~ +50 @ full load ; +70 @ 60% load
- Working Humidity 20~95% RH non-condensing
- Storage Temp, Humidity -40~80 °C 10~95% RH
- Temp. Coefficient  $\pm 0.03\%/^{\circ}C$  (0~50 °C)
- Vibration 10 ~ 500Hz, 5G 12min./1 cycle, period for 72min. each along X, Y, Z axes

### Safety & EMC

- Safety Standards UL 8750, CAN/CSA-C22.2 EN61347-1, EN61347-2-13, Design refer to UL60950-1, TUV EN60950-1,
- Withstand Voltage I/P-O/P: 3.0KVAC
- Isolation Resistance I/P-O/P: >100M Ohms / 500VDC / 25 70% RH
- EMC Emission Compliance to EN55015, EN61000-3-2 Class C; EN610000-3-3
- EMC Immunity Compliance to EN61000-4-2,3,4,5,6,8,11; EN61547, light industry level (surge 2KV), criteria A

### Technical Drawing



### RoHS Compliance

Our products comply with the European Directive 2002/95/EC, calling for the elimination of lead and other hazardous substances from electronic products.

### 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.