

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

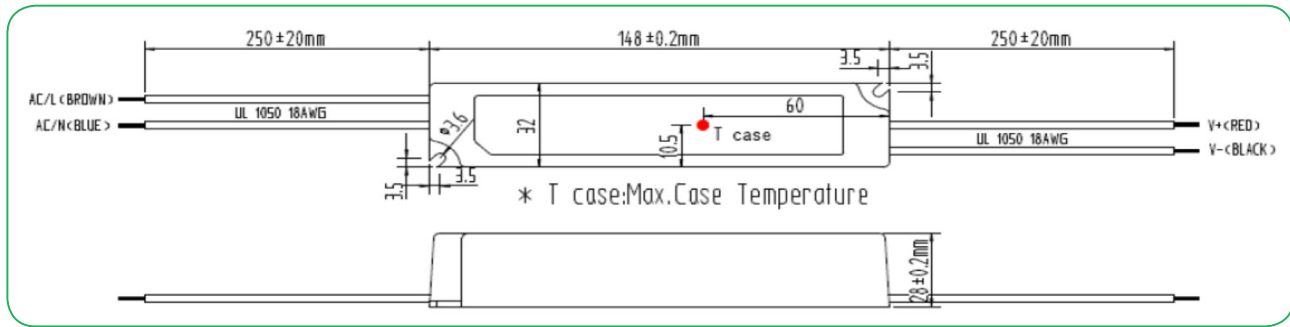
Environment

- 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.