





# Product Specification



# 1. PRODUCT OVERVIEW

# 2. ELECTRICAL CHARACTERISTICS

# **3. PROTECTION**

# 4. MECHANICAL SPECIFICATION

5. SAFETY

6. EMI

7. HI-POT

8. EARTH LEAKAGE

9. RELIABILITY

10. PACKING



# **1. PRODUCT OVERVIEW**

Form factor :See figure.1

Output Power : 12 Watts Typ. Continuous

Efficiency : 60% @ typ Input voltage with full load

No load power consumption (Stand-by power) : <0.5W at 230Vac/50Hz

Parameters	Min	Тур	Max	Unit
INPUT				
VOLTAGE	90	115/230	265	VAC
INPUT				
FREQUENCY	47	50/60	63	Hz
INPUT				
CURRENT			500	mA
OUTPUT				
VOLTAGE	11.40	12.00	12.60	VDC
OUTPUT				
CURRENT	0		1000	mA
OUTPUT				
RIPPLE *			120	mVp-p
AMBIENT				
TEMPERATURE			40	°C

## 2. ELECTRICAL CHARACTERISTICS

\*Output ripple is measured peak to peak with a  $10\mu F$  E-cap and  $0.1\mu F$  ceramic cap in parallel on the output.

## **3. PROTECTION**

## 3.1 Over Voltage Protection

The power supply shall provide OVP such that under any single component failure, the output channel shall not exceed 25Vdc with a maximum duration of 250 ms.

## 3.2 Short Circuit Protection

The power supply shall be protected such that a short from output to return shall not result in a fire hazard, shock hazard, or damage to the power supply.



# 4. MECHANICAL CHARACTERISTIC

# **4.1 Enclosure Dimensions**

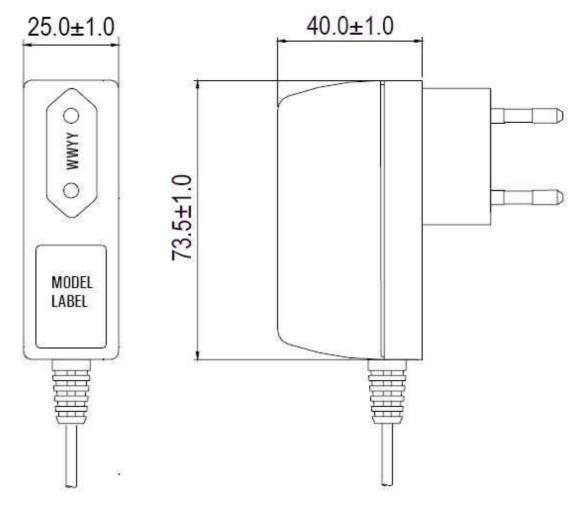
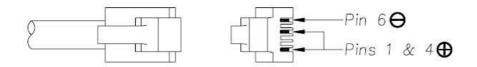


Fig.1

# 4.2 DC output cable and plug:

AWG#26×3C, 1800mm  $\pm$ 10%, Black color.



Plug : RJ-11 (P63C)



# 4.4 Model Label



Marking method by sticker (black base/white words)

### **5. SAFETY SPECIFICATION**

The power supply is designed to meet the following standards:

EN60950 & IEC60950 &UL60950	
EN60065 & IEC60065 & UL6500	
EN61558-2-6 & IEC558 & UL1310	

### **6. EMI**

Power supply is designed with internal filter to meet following standards: EN55022, EN55024 EN61000-3-2/3

## **7. HI POT**

Input to output 3000Vac, 1s Cutoff current 10mA

## 8. EARTH LEAKAGE

Earth leakage current 250µA at 250Vrms

## 9. RELIABILITY

Minimum 50,000 hours MTBF at max load & 25°C ambient temperature.

## **10. PACKING**

Standard packing with cart tray.