



PSU iRZ 12V/500mA

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 : 6 Watts Typ. Continuous

Efficiency : 60% (Min) @AC Input 115Vac/60Hz with full load

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

2. ELECTRICAL CHARACTERISTICS

Parameters	Min	Typ	Max	Unit
INPUT VOLTAGE	90	115/230	264	VAC
INPUT FREQUENCY	47	50/60	63	Hz
INPUT CURRENT	-----	-----	300	mA
OUTPUT VOLTAGE	11.40	12.00	12.60	VDC
OUTPUT CURRENT	0	-----	500	mA
OUTPUT RIPPLE *	-----	-----	120	mVp-p
AMBIENT TEMPERATURE	-----	-----	40	°C

*Output ripple is measured peak to peak with a 10 μ F E-cap and 0.1 μ 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 Mechanical Dimensions

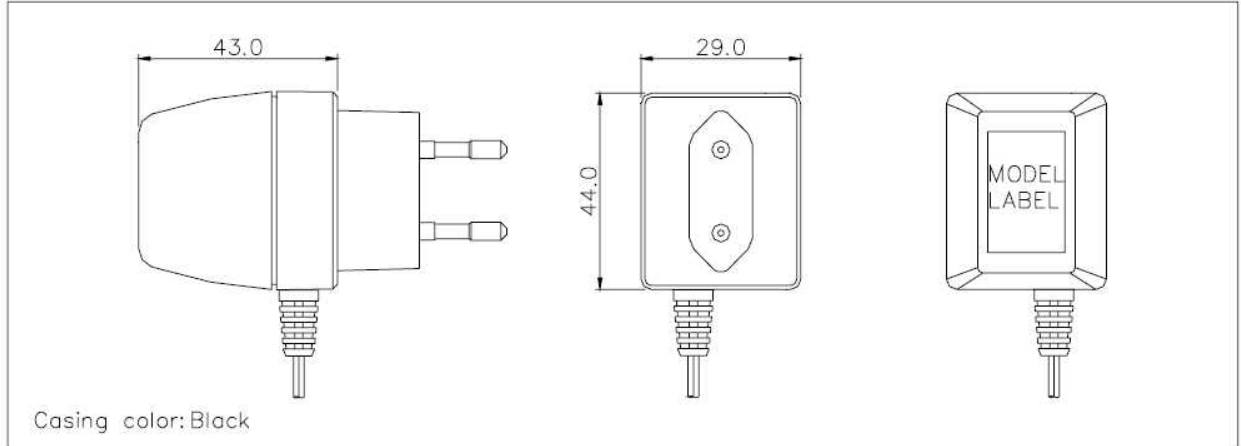


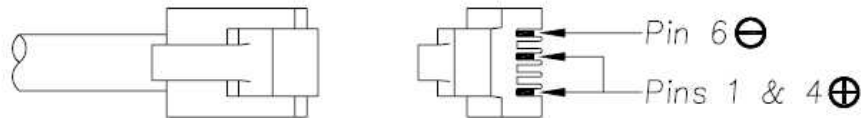
Fig.1

4.2 DC output cable

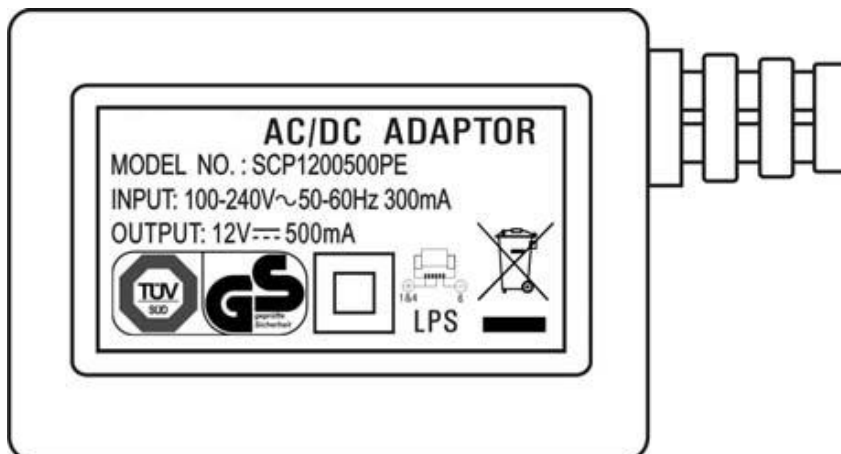
PVC flat cable, AWG#26×3C, 1800mm ±10%, Black color.

4.3 DC output plug

RJ-11 (6-pins)



4.4 Model Label



Marking method by sticker (black base/white words) or pad printing (gold 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:

FCC part 15J class B

EN55022 class B

EN61000-3-2/3 & EN61000-4-2/3/4/5/6/8/11

7. HI POT

Input to output 3000Vac, 1s

Cutoff current 10mA

8. EARTH LEAKAGE

Earth leakage current 250 μ A at 250Vrms

9. RELIABILITY

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

10. PACKING

Standard packing with cart tray.