

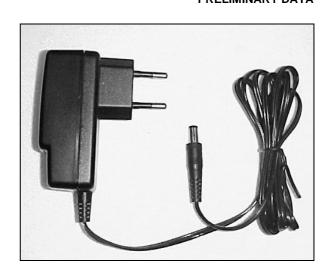
# **GSP-1212STM**

# AC/DC POWER SUPPLY

PRELIMINARY DATA

#### **FEATURES**

- EUROPEAN INPUT VOLTAGE 230 Vac
- SINGLE OUTPUT MAX 15W
- EMC COMPLIANCE ACCORDING TO EU DIRECTIVES
- SAFETY APPROVAL ACCORDING TO EN60950 / EN60065
- OUTPUT VOLTAGE PRECISION: ±5%
- INPUT FUSE PROTECTION
- OUTPUT SHORT CIRCUIT PROTECTION
- 2 WIRES DC CORD 1.5 m TERMINATED WITH 5.5 mm (ext. diam.) / 2.1 mm (int. diam.) JACK CONNECTOR
- LOW STAND BY POWER CONSUMPTION
- AVAILABLE WITH EU PLUG
- CE MARKED



## **DESCRIPTION**

The Power Plug is a high efficiency AC/DC switch mode constant voltage generator.

Designed for a variety of residential applications, this wall plug-in power supply performs up to 15W output power.

Typical reference value for the off the shelf solution is 12V 1.25A.

Coming into a compact housing, the power plug can be assembled with EU plug identified by a specific ordering number.

Output DC power is ensured via a 2 wires cord with strain relief, terminated with a barrel connector.

Typical weight is 52 grams only, without cable.

### **UPON REQUEST**

Upon request and agreement, the power supply can be customized offering different current/voltage level, a variety of plugs (among which Uk, Us, etc..) and support to gain specific Agency Approvals, as well.

Table 1. Electrical Characteristics (T<sub>amb</sub>=25°C, unless otherwise specified.) GSP-1212STM/x

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Unit
Vi	Input Voltage		187		264	V <sub>RMS</sub>
Io	Output Current	$T_{ambient} = 40^{\circ}C$ , $V_i = 187 \div 264 V_{ac}$		1.25		Α
Vo	Output Voltage	$V_i = 187 \div 264 \ V_{ac}, \ I_o = 0 \div I_{max}$	11.4	12	12.6	V
Vor	Output Ripple	$I_0 = I_{max}$			100	mVpp
I <sub>osc</sub>	Output short circuit current	Hiccup Mode			2	Α
n	Efficiency	P <sub>O</sub> = 15W		85		%
P <sub>stand</sub> by	Power consumption in no load condition	$V_i = 230 \text{ V}_{RMS}, I_o = 0 \text{ mA}$			300	mW
Vis	Isolation voltage	Input to output	3000			V <sub>RMS</sub>
T <sub>op</sub>	Operating Ambient Temperature		0		40	°C
T <sub>stg</sub>	Storage Temperature Range		-20		70	°C

## **AGENCY APPROVALS**

The Power Plug is certified by competent agencies to comply with most popular safety and EMC requirements, including but not limited to:

EN60950

ETS300-342-1

EN60065

EN55022 CI B

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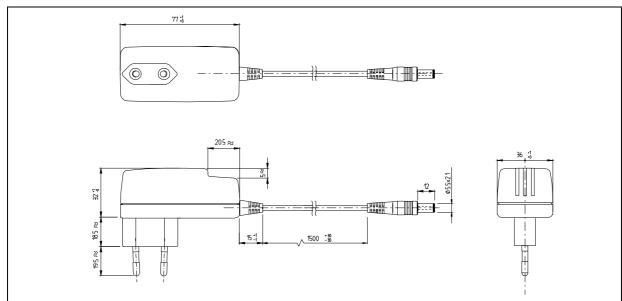
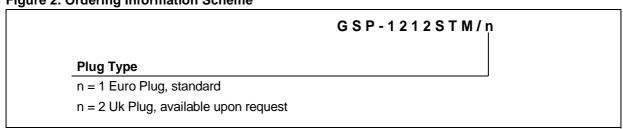


Figure 1. Mechanical Data Euro Plug version (dimensions in mm)





**Table 2. Revision History** 

Date	Revision	Description of Changes
02-Nov2004	1	First Release

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