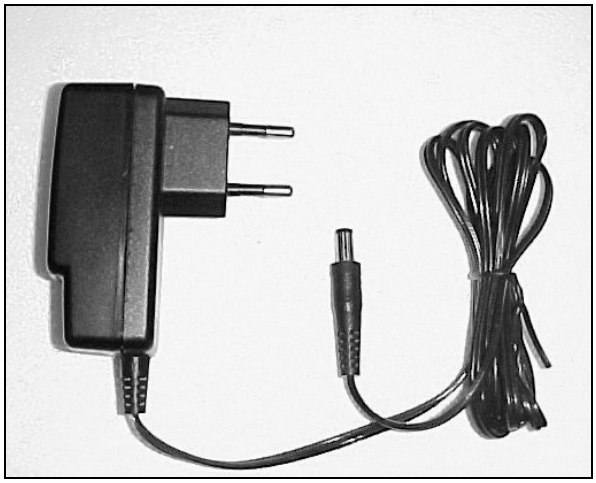
GSP-1206STM

AC/DC POWER SUPPLY

PRELIMINARY DATA

FEATURES

- EUROPEAN INPUT VOLTAGE 230V_{ac}
- SINGLE OUTPUT MAX 8W
- 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



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.

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 8W output power.

Typical reference value for the off shelf solution is 12V 600mA.

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.

Table 1. Electrical Characteristics (T_{amb}=25°C, unless otherwise specified.) GSP-1206STM/x

Symbol	Parameter	Test Condition	Min.	Typ.	Max.	Unit
V_i	Input Voltage		187		264	V_{RMS}
I_o	Output Current	$T_{ambient}$= 40°C, V_i = 187 ÷ 264 V_{ac}	600			mA
V_o	Output Voltage	V_i = 187 ÷ 264 V_{ac}, I_o = 0 ÷ I_{max}	11.4	12	12.6	V
V_{or}	Output Ripple	I_o = I_{max}			100	mVpp
I_{osc}	Output short circuit current	Hiccup mode			1.3	A
n	Efficiency	P_O = 8 W		80		%
$P_{stand\ by}$	Power consumption in no load condition	V_i = 230 V_{RMS}, I_o = 0 mA			300	mW
V_{is}	Isolation voltage	Input to output	3000			V_{RMS}
T_{op}	Operating Ambient Temperature		0		50	°C
T_{stg}	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 Cl B

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

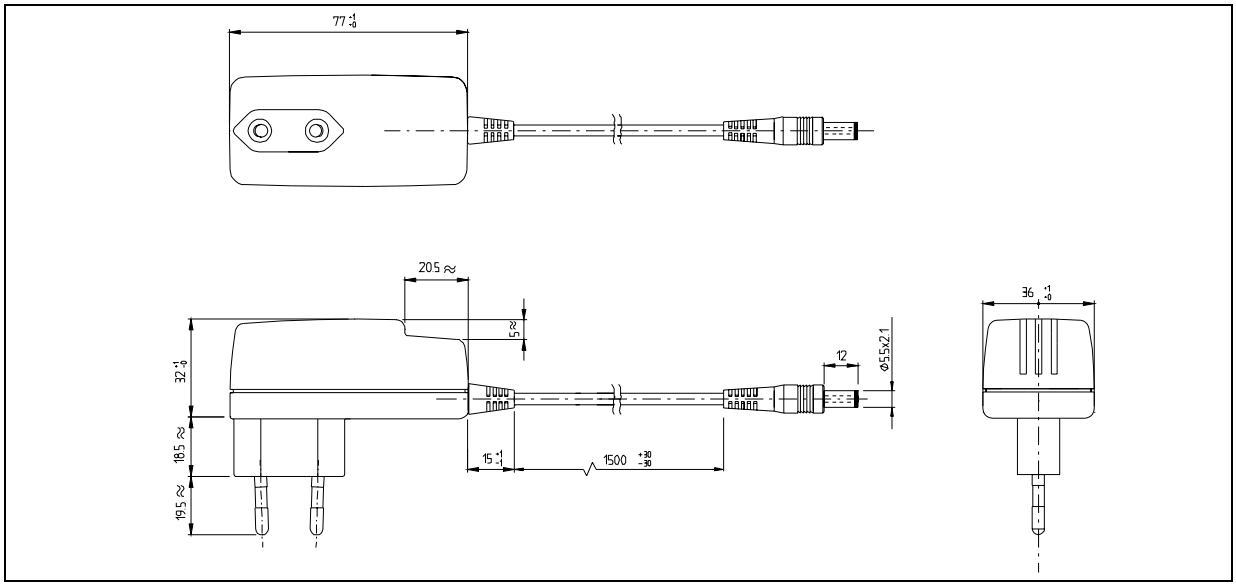


Figure 2. Ordering Information Scheme

G S P - 1 2 0 6 S T M / n

Plug Type

n = 1 Euro Plug, standard

n = 2 Uk Plug, available upon request

Table 2. Revision History

Date	Revision	Description of Changes
02-Nov.-2004	1	First Release