



POWER PLUG 10W-12V

AC/DC POWER SUPPLY

REV. 01

POWER PLUG FEATURES

- PRIMARY SWITCHED WALL PLUG-IN power supply
- EUROPEAN INPUT VOLTAGE 230V_{ac}
- 10W MAX SINGLE OUTPUT
- EMC COMPLIANCE ACCORDING TO EU DIRECTIVES
- SAFETY APPROVAL ACCORDING TO EN60950 / EN60065
- CE MARKED
- OUTPUT VOLTAGE PRECISION: $\pm 5\%$
- INPUT FUSE PROTECTION
- OUTPUT SHORT CIRCUIT PROTECTION
- 2 WIRES DC CORD 1.5 m TERMINATED WITH 5.5 mm (ext. diam.) / 2.5 mm (int. diam.) JACK CONNECTOR
- AVAILABLE WITH EU, UK PLUGS
- LOW STAND-BY POWER CONSUMPTION

Plug Type	Part Number
EURO	GSPPJ-1208STM/1
UK	GSPPJ-1208STM/2



EU PLUG



UK PLUG

POWER PLUG 10W-12V

POWER PLUG 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 10W output power.

Typical reference value for the off shelf solution is 12V 800mA.

Coming into a compact housing, the power plug can be assembled with EU or UK plugs identified by specific ordering numbers. 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.

ELECTRICAL CHARACTERISTICS ($T_{amb}=25^{\circ}\text{C}$, unless otherwise specified.) GSPPJ-1208STM/x

Symbol	Parameter	Test Condition	Min.	Typ.	Max.	Unit
V_i	Input Voltage		187		264	V _{RMS}
I_o	Output Current	$T_{ambient}= 40^{\circ}\text{C}$, $V_i = 187 \div 264 \text{ V}_{ac}$	800			mA
V_o	Output Voltage	$V_i = 187 \div 264 \text{ V}_{ac}$, $I_o = 0 \div I_{max}$	11.4	12	12.6	V
V_{or}	Output Ripple	$I_o = I_{max}$			200	mVpp
I_{osc}	Output short circuit current	Hiccup mode			1.9	A
η	Efficiency	$P_O = 10 \text{ W}$		85		%
$P_{stand\ by}$	Power consumption in no load condition	$V_i = 230 \text{ V}_{RMS}$, $I_o = 0 \text{ mA}$			300	mW
V_{is}	Isolation voltage	Input to output	3000			V _{RMS}
T_{op}	Operating Ambient Temperature		0		40	$^{\circ}\text{C}$
T_{stg}	Storage Temperature Range		-20		70	$^{\circ}\text{C}$

AGENCY APPROVALS

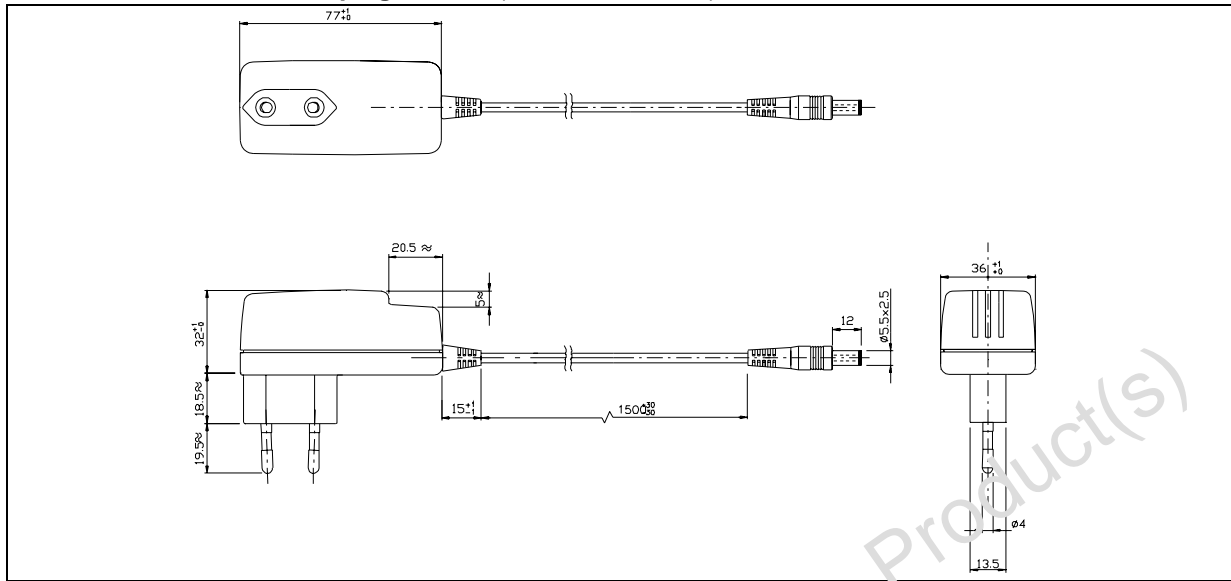
The Power Plug is certified by competent agencies to comply with most popular safety and EMC requirements, including but not limited to:

EN30950

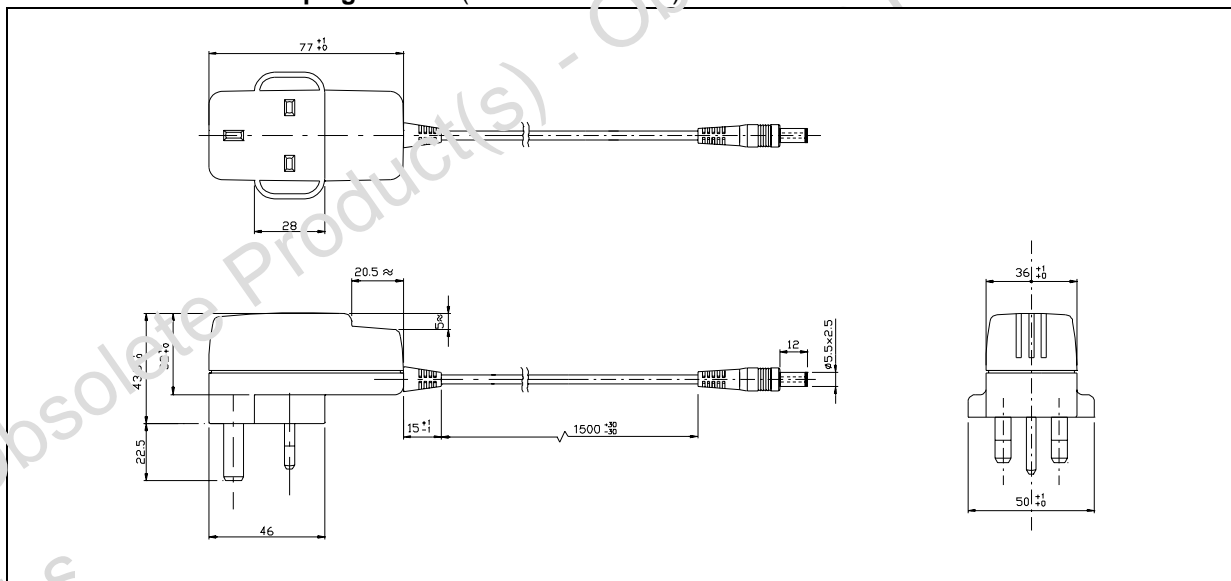
ETS300-342-1

EN60065

EN55022 Cl B



MECHANICAL DATA UK plug version (dimensions in mm)



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