



POWER PLUG 10W

WALL PLUG POWER SUPPLY

REV. 01

POWER PLUG FEATURES

- PRIMARY SWITCHED WALL PLUG-IN power supply
- FIXED INPUT VOLTAGE $230V_{ac} \pm 15\%$
- 10 W SINGLE OUTPUT
- EMC COMPLIANCE ACCORDING TO EU DIRECTIVES
- SAFETY APPROVAL ACCORDING TO EN60950 / EN60065
- CE MARKED
- OUTPUT VOLTAGE PRECISION: $\pm 5\%$
- OUTPUT RIPPLE VOLTAGE $< 200 \text{ mVpp}$
- INPUT FUSE PROTECTION
- OUTPUT SHORT CIRCUIT PROTECTION
- 2 WIRES DC CORD TERMINATED WITH 5.5 mm (ext. diam.) / 2.5 mm (int. diam.) JACK CONNECTOR
- AVAILABLE WITH EU and UK PLUGS
- COMPLIANT with ETSI STAND BY POWER LOSSES REQUIREMENTS

Plug Type	Part Number
EURO	GSACJ-1507STM/1
	GSACJ-1208STM/1
UK	GSACJ-1507STM/2
	GSACJ-1208STM/2



EU POWER PLUG



UK POWER PLUG

POWER PLUG DESCRIPTION

The Power Plug is a high efficiency AC/DC switch mode constant voltage generator. Designed for a variety of residential users applications, this wall plug-in power supply performs up to 10W max output power. The output voltage and current levels are set up by design in accordance with customer requirements.

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Typical reference values for the off shelf power plug are 15V/650mA and 12V/800mA with the input V_{ac} ranging from 187 to 264 V_{rms} . Coming into a compact housing, the Power Plug can be assembled with EU and 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 (euro plug).

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

Symbol	Parameter	Test Condition	Min.	Typ.	Max.	Unit
V_i	Input Voltage	$I_o = 0$ to 800mA	187		264	V_{RMS}
I_o	Output Current	$V_i = 187$ to 264 V_{rms}			800	mA
V_o	Output Voltage	$V_i = 187$ to 264 V_{RMS} $I_o = 800mA$	11.4	12	12.6	V
V_o	Output Voltage	$V_i = 187$ to 264 V_{RMS} $I_o = 0$ mA			12.6	V
V_{or}	Output Ripple	$V_i = 187$ to 264 V_{RMS} $I_o = 800mA$			150	mVpp
I_{osc}	Output short circuit current	$V_i = 187$ to 264 V_{RMS}			1.9	A
η	Efficiency	$V_i = 230$ V_{RMS} $P_O = 10$ W		80		%
$P_{stand\ by}$	Power losses 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		40	$^{\circ}C$
T_{stg}	Storage Temperature Range		-20		70	$^{\circ}C$

ELECTRICAL CHARACTERISTICS ($T_{amb}=25^{\circ}\text{C}$, unless otherwise specified.)GSACJ-1507STM/x

Symbol	Parameter	Test Condition	Min.	Typ.	Max.	Unit
V_i	Input Voltage	$I_o = 0$ to 650mA	187		264	V_{RMS}
I_o	Output Current	$V_i = 187$ to 264 V_{RMS}			650	mA
V_o	Output Voltage	$V_i = 187$ to 264 V_{RMS} $I_o = 650\text{mA}$	14.25	15	15.75	V
V_o	Output Voltage	$V_i = 187$ to 264 V_{RMS} $I_o = 0$ mA			15.75	V
V_{or}	Output Ripple	$V_i = 187$ to 264 V_{RMS} $I_o = 650\text{mA}$			150	mVpp
I_{osc}	Output short circuit current	$V_i = 187$ to 264 V_{RMS}			1.9	A
η	Efficiency	$V_i = 230$ V_{RMS} $P_O = 10$ W		81		%
$P_{stand\ by}$	Power losses 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		40	$^{\circ}\text{C}$
T_{stg}	Storage Temperature Range		-20		70	$^{\circ}\text{C}$

AGENCY APPROVALS

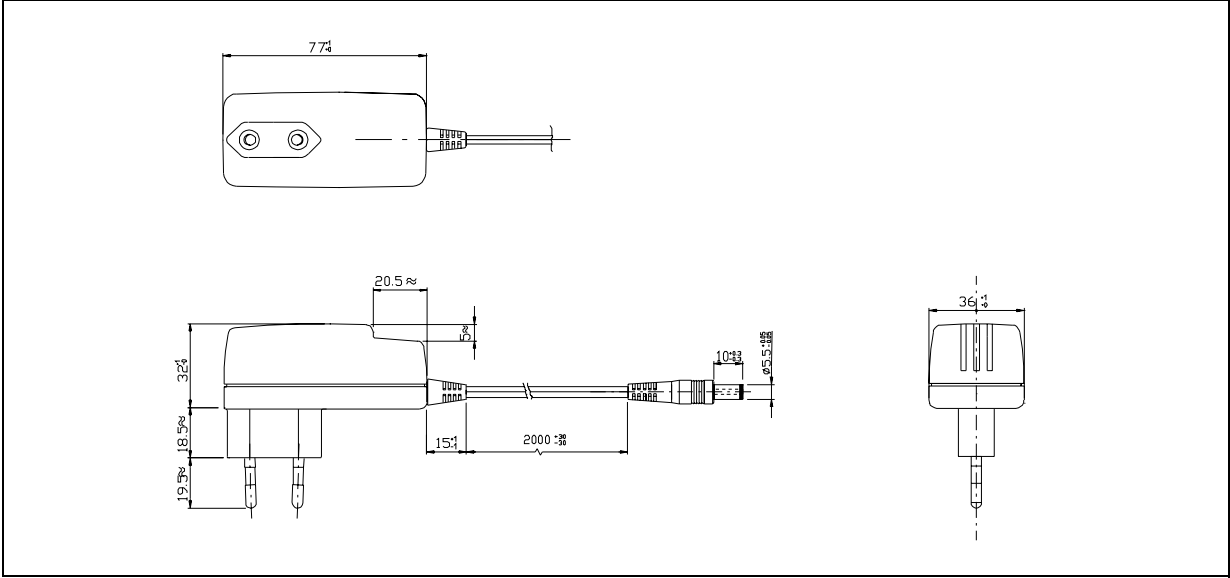
The Power Plug is certified by competent agencies to comply with most popular safety and EMC requirements, including but not limited to:

EN60950

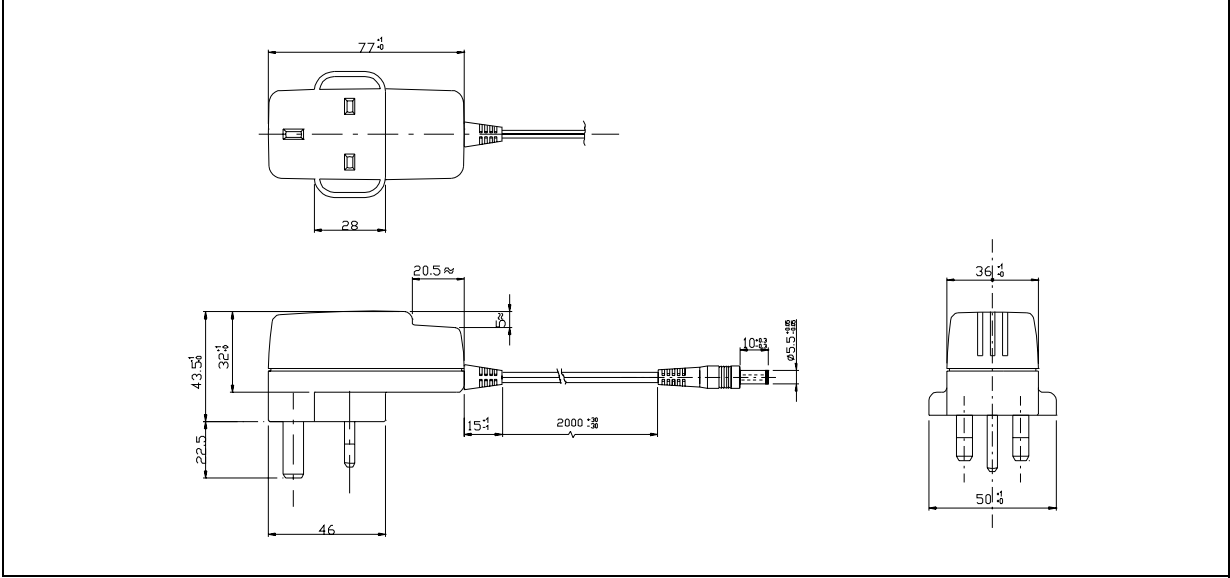
EN60065

POWER PLUG 10W

MECHANICAL DATA EURO plug version (dimensions in mm)



MECHANICAL DATA UK plug version (dimensions in mm)



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