



POWER PLUG 24W

AC/DC POWER SUPPLY

REV. 01

FEATURES

- PRIMARY SWITCHED WALL PLUG-IN power supply
- WIDE RANGE INPUT VOLTAGE 90÷264V_{ac}
- 24W SINGLE OUTPUT
- EMC COMPLIANCE ACCORDING TO EU DIRECTIVES
- SAFETY APPROVAL ACCORDING TO EN60950 / EN60065
- CE MARKED
- OUTPUT VOLTAGE PRECISION: ±5%
- OUTPUT RIPPLE VOLTAGE <0.15%
- OUTPUT SHORT CIRCUIT PROTECTION
- 2 WIRES DC CORD TERMINATED WITH 5.5 mm (ext. diam.) / 2.1 mm (int. diam.) JACK CONNECTOR
- AVAILABLE WITH EU, UK and USA PLUGS
- COMPLIANT with ETSI STAND BY POWER LOSSES REQUIREMENTS



EURO PLUG



UK PLUG

| Plug Type | Ordering Number |
|-----------|-----------------|
| EURO | GASC-2410STM/1 |
| UK | GASC-2410STM/2 |
| USA | GASC-2410STM/3 |

POWER PLUG 24W



US PLUG

DESCRIPTION

The Power Plug is a high efficiency AC/DC switch mode constant voltage generator. Designed for a variety of residential user applications, this wall plug-in power supply performs up to 24W output power. The output voltage and current levels can be set up by design in accordance with customer requirements.

Typical reference values for the off the shelf solution are 24V and 1A with the input V_{ac} 230 V_{rms} . Coming into a compact housing, the power plug can be assembled with EU, UK and USA 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 100 grams only, without cable.

ELECTRICAL CHARACTERISTICS ($T_{amb}=25^{\circ}C$, unless otherwise specified.)

| Symbol | Parameter | Test Condition | Min. | Typ. | Max. | Unit |
|-----------------|-----------------------------------|--|------|------|------|-------------|
| V_i | Input Voltage | $I_o = 0$ to 1.05 A | 90 | | 264 | V_{RMS} |
| I_o | Output Current | $T_{ambient} = 40^{\circ}C$, V_{ac} 90-132 | | | 0.8 | A |
| I_o | Output Current | $T_{ambient} = 40^{\circ}C$, V_{ac} 184-264 | | | 1.05 | A |
| V_o | Output Voltage | $I_o = 0$ to 1.05 A | 22.8 | 24 | 25.2 | V |
| V_{or} | Output Ripple | $I_o = 1.05$ A | | | 200 | mVpp |
| I_{osc} | Output short circuit current | Hiccup Mode | | | 1.3 | A |
| n | Efficiency | $P_O = 24W$ | 84 | | 86 | % |
| $P_{stand\ by}$ | Power losses in no load condition | $V_i = 230 V_{RMS}$ $I_o = 0$ mA | | 1.0 | | W |
| 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 | $^{\circ}C$ |

AGENCY APPROVALS

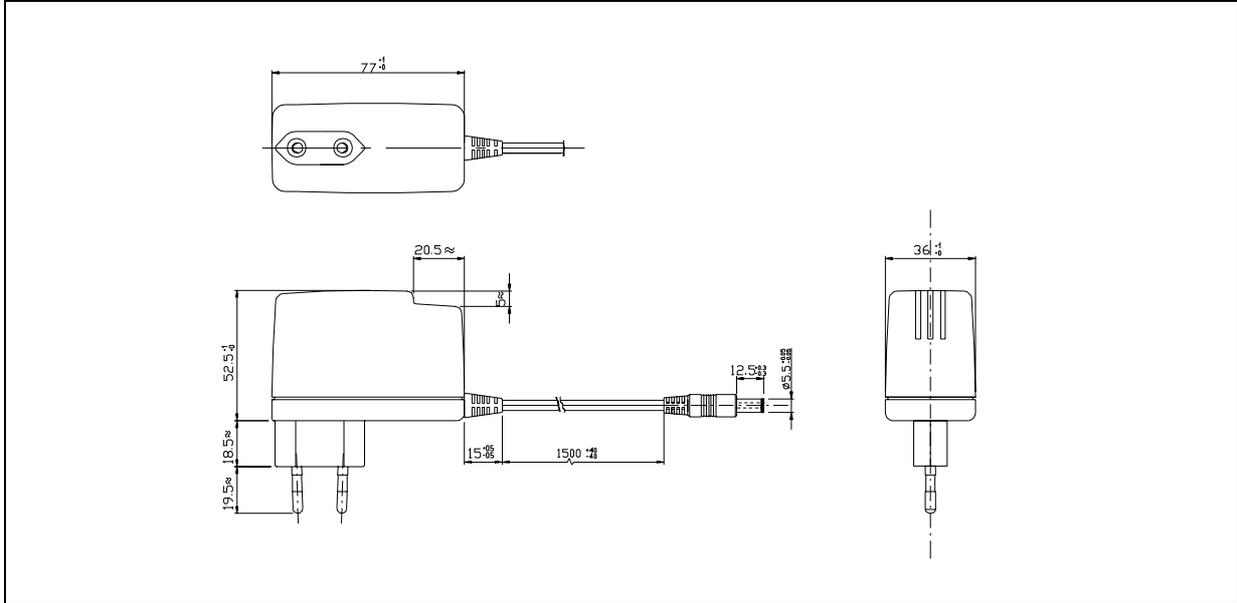
The Power Plug is certified by competent agencies to comply with most popular safety and EMC requirements, including but not limited to:

EN60950

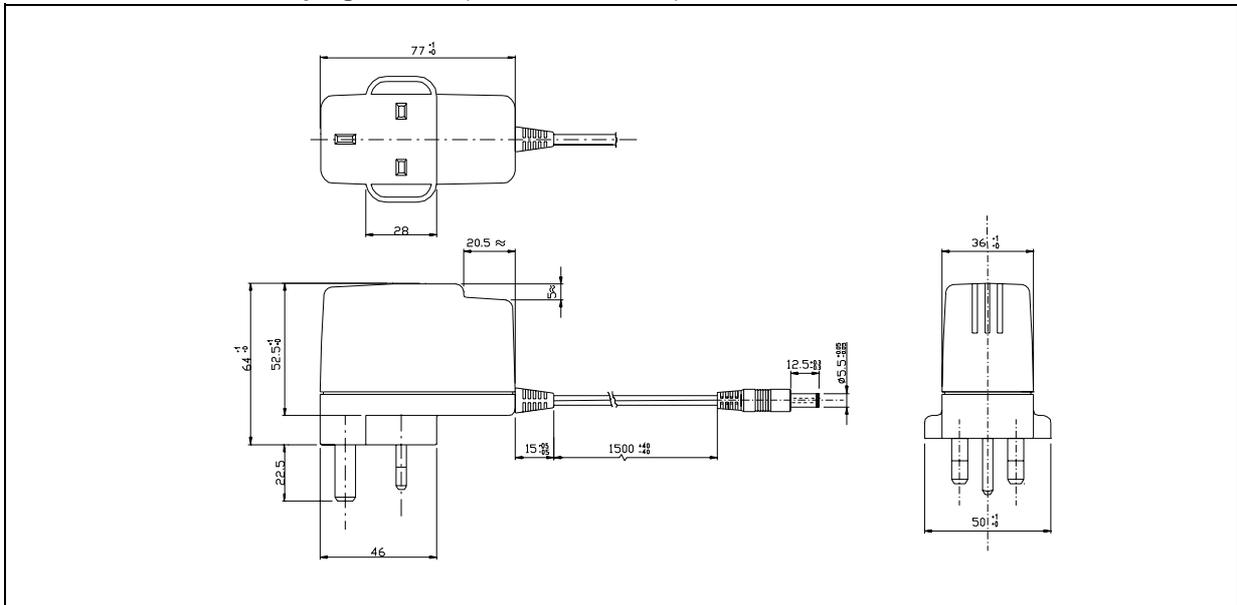
ETS300-342-1

EN60065

MECHANICAL DATA EURO plug version (dimensions in mm)

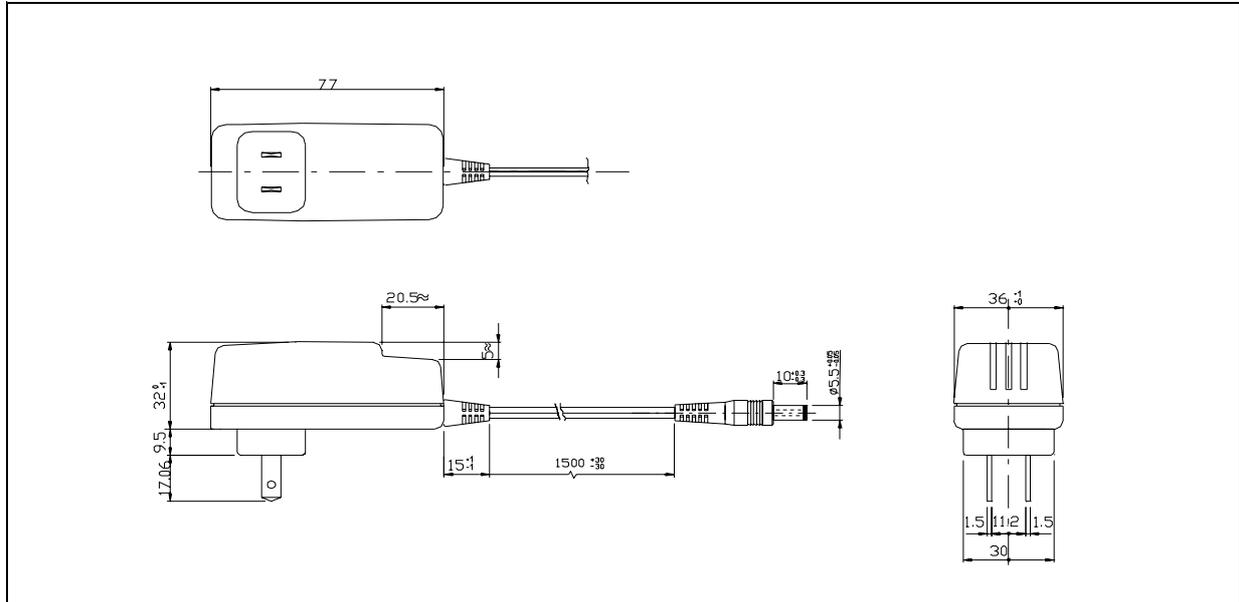


MECHANICAL DATA UK plug version (dimensions in mm)



POWER PLUG 24W

MECHANICAL DATA USA plug version (dimensions in mm)



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