

# SWITCHING POWER SUPPLIES

## IZMO 121 SERIES

Module-type power supply  
Open Frame

- **Wide range of input voltages AC or DC:**  
87V–260V AC, 90V–385V DC
- **Power output: 12W**
- **1-output power supply**
- **3-year guarantee**
- **Control and security systems**
- **High efficiency**
- **Full voltaic separation**



IZMO 121 is a series of switching power supplies with the maximum power output of 12W and general-purpose supply voltage range: 87V - 260V AC or 90V - 385V DC. The power supplies are made in module form and can be mounted on a printed board. They are designed for application in measuring apparatus, industrial instrumentation and control equipment, telecommunications and also in microprocessor-based systems. Small dimensions, low price.

### TECHNICAL DATA

#### Input

Input voltage	87V to 260V AC 90V to 385V DC
Input frequency range	40Hz to 440Hz
Interference emission level	to EN 55022 level B

#### Output

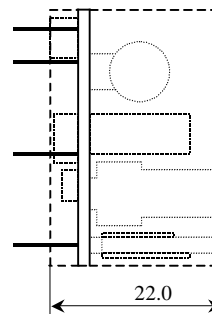
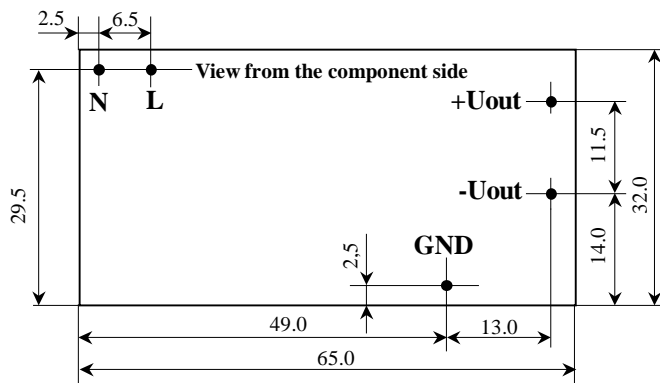
Stabilisation of $U_{input}$ variations	$\leq 0.3\%$
Stabilisation of $I_{load}$ variations	$\leq 0.3\%$
Temperature coefficient	0.04%/°C
Power output at 50°C	12W
Pulsating voltage	$U_t \leq 100mV_{DD}$ $U_{trms} \leq 10mV$

#### General

Modulation frequency	$f_p \leq 100kHz$
Modulation mode:	Flyback pulse width modulation
Hold time	50%/Un/Pmax
Efficiency (dependant on $U_{output}$ )	$t_p \geq 30ms$ 70÷80%
Dimensions	65 x 32 x 22
Insulation strength	input-output 8mm input-ground 4mm
Operating temperature	-10°C to +55°C

**The construction satisfies the safety and electromagnetic compatibility requirements of the relevant EC standards.**

MODEL	Output $V_{nom}/I_{max}$
IZMO-121-05	5V/2A
IZMO-121-12	12V/1A
IZMO-121-24	24V/0.5A



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