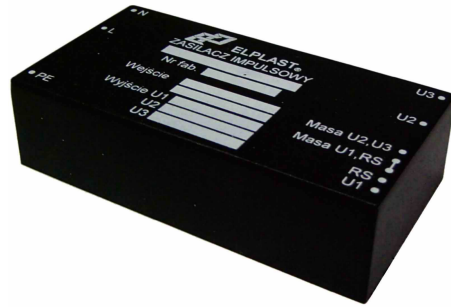


SWITCHING POWER SUPPLIES

IZM 083 SERIES

Module-type power supply

- **Wide range of input voltages AC or DC:**
87V÷260V AC, 90V÷350V DC
- **Power output: 8W**
- **3 output voltages**
- **3-year guarantee**
- **Control and security systems**
- **High efficiency**
- **Full voltaic separation**



IZM 083 is a series of switching power supplies with the maximum power output of 8W and general-purpose supply voltage range: 87V - 260V AC or 90V - 350V DC. The power supplies are made in module form, in ABS casings to 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.

TECHNICAL DATA

Input

Input voltage	87V to 260V AC 90V to 350V DC
Input frequency range	40Hz to 440Hz
Interference emission level	to EN 55022

Output

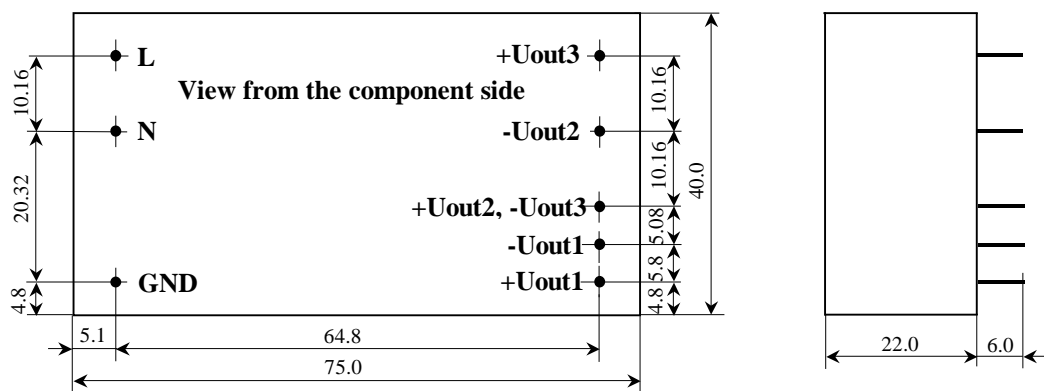
Stabilisation of U_{input} variations	$\leq 0.3\%$
Stabilisation of I_{load} variations	$\leq 0.3\%$
Temperature coefficient	0.04%/°C
Power output at 50°C	8W
Max. Iout. dla U2 i U3	180 mA
Pulsating voltage	$U_t \leq 50mV_{pp}$ $U_{trms} \leq 5mV$

General

Modulation frequency	$f_p \leq 100kHz$
Modulation mode:	Flyback pulse width modulation
Hold time	50%/Un/Pmax
	$t_p \geq 30ms$
Efficiency (dependant on U_{output})	70÷80%
Dimensions	75 x 40 x 22 mm
Insulation strength	input-output 8mm input-ground 4mm
Operating temperature	-10°C to +55°C
ABS casing covered with a chemo-hardening	compound

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

MODEL	OUTPUTS		
	Output 1 V_{nom}/I_{max}	Output 2 V_{nom}/I_{max}	Output 3 V_{nom}/I_{max}
IZM-083-51212	5V/1.0A	12V/0.15A	12V/0.15A
IZM-083-51515	5V/0.8A	15V/0.15A	15V/0.15A



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