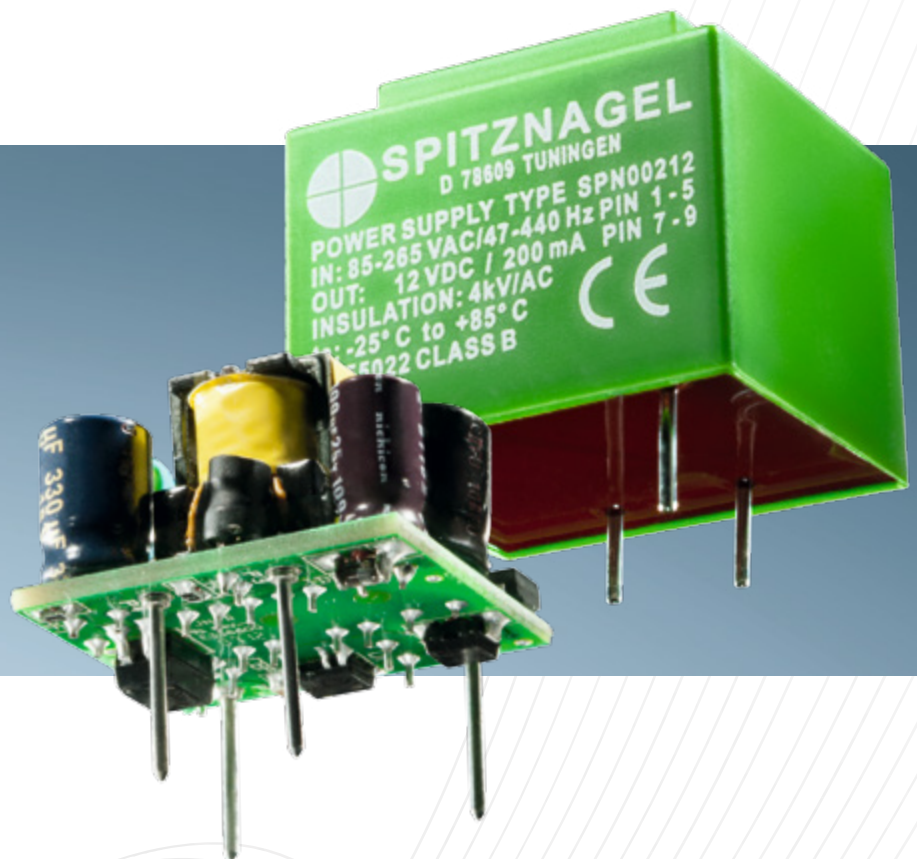


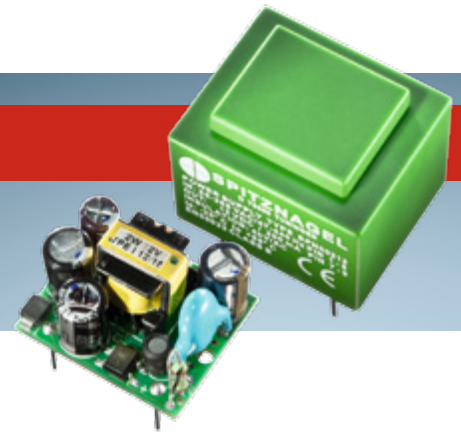
# *Switch power supplies*

*PCB-modules 2W – 5W*

- efficient
- robust
- secure



# Technical data

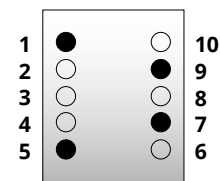
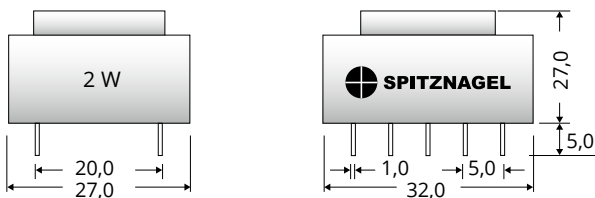


## ELECTRICAL SPECIFICATIONS

Power		2 W			5 W		
Part No:		<b>SPN 00205</b>	<b>SPN 00212</b>	<b>SPN 00224</b>	<b>SPN 00505</b>	<b>SPN 00512</b>	<b>SPN 00524</b>
Output	Dc Voltage	5 Vdc	12 Vdc	24 Vdc	5 Vdc	12 Vdc	24 Vdc
	Current Range	0–400 mA	0–200 mA	0–100 mA	0–1000 mA	0–500 mA	0–250 mA
	Voltage Tolerance	+/- 2%	+/- 2%	+/- 2%	+/- 2%	+/- 2%	+/- 2%
	Load Regulation	+/- 1%	+/- 1%	+/- 1%	+/- 1%	+/- 1%	+/- 1%
	Over Current	650 mA	350 mA	170 mA	1750 mA	700 mA	300 mA
Input	Voltage Range	85–265 Vac/115–375 Vdc					
	Frequency	47–440 Hz					
	Efficiency (Typ)	67%	76%	77%	73%	79%	78%
	No Load Power	156 mW	96 mW	131 mW	230 mW	160 mW	190 mW

## LAYOUT

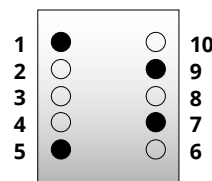
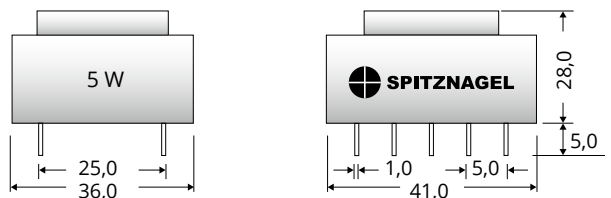
PCB - Module 2 W



Topview

Pin	Description
1	Input AC(L)/DC
5	Input AC(N)/DC
7	- Vout
9	+ Vout

PCB - Module 5 W



Topview

Pin	Description
1	Input AC(L)/DC
5	Input AC(N)/DC
7	- Vout
9	+ Vout

## SAFETY/EMC

Safety Standards	EN60950, EN60335, EN61558-2-16
Withstand Voltage	Input/Output 4 kVac
Insulation resistance	Input/Output 100 mOhm/500 Vdc
EMC/EMI	EN55014-1, EN55014-2, EN55022 Class B (CISPR22)
Harmonic current	EN61000-3-2,3
EMS Immunity	EN61000-4-2,3,4,5,6,8,11

## ENVIRONMENT

Temperature	Working- and Storage Temperature -25°C bis +85°C
Working Humidity	95% rrel Hmax non condensing