

AC-DC Converter

**POWER
SOLVE**

CFM101S Series 100 Watt Open Frame Single Output

www.powersolve.co.uk

Features

- Universal input range 90-264Vac
- Active PFC Function
- 2" x 4" (50.8 x 101.6mm) size
- Efficiency to 85%
- Continuous short circuit protection
- Meets CISPR/FCC Class B, conducted



Electrical Specification

INPUT

Input Voltage Range	90 - 264VAC
Frequency	47 - 63Hz
Inrush Current	90A max. @ 240VAC
Conducted EMI	CISPR/FCC Class B
Isolation - Input/Output	4242VDC
Leakage Current	3.5mA max.

OUTPUT

Hold-up Time	18mS typ. @ 115Vac
Short Circuit Protection	Continuous
Temperature Coefficient	±0.05% / °C

ENVIRONMENTAL

Operating Temperature Range	0°C to +40°C
Storage Temperature Range	-20°C to +85°C
Cooling	Natural convection
Safety Approvals	cUL/UL 60950, TUV EN60950

GENERAL

Dimensions	101.6 x 50.8 x 27.94 mm 4.0 x 2.0 x 1.1 inches
Weight	150g

Output Voltage and Current Ratings

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT		RIPPLE (mV pk-pk)	VOLTAGE ACCURACY	LINE REG.	LOAD REG.
		Min.	Max.				
CFM101S120	12V	0A	8.4A	1%	±1%	±0.5%	±1%
CFM101S150	15V	0A	6.7A	1%	±1%	±0.5%	±1%
CFM101S240	24V	0A	4.2A	1%	±1%	±0.5%	±1%
CFM101S480	48V	0A	2.1A	1%	±1%	±0.5%	±1%

NOTE:

1. Output noise and ripple measured with 10µF electrolytic & 0.1µF ceramic capacitors across output.
2. Line regulation is measured from 100Vac to 240Vac at full load.
3. Load regulation is measured from 10-100% of full load.

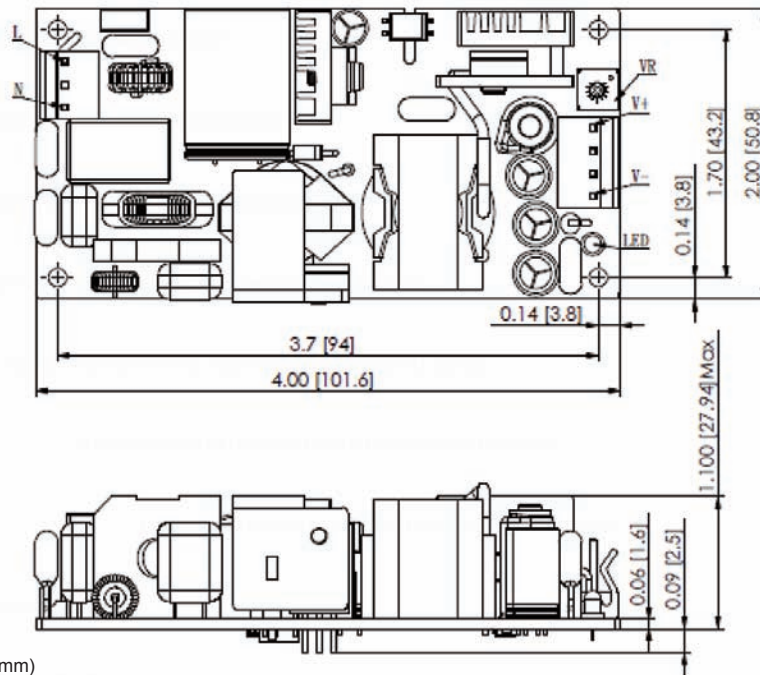
Typical at 25°C, nominal line and 75% load unless otherwise stated.

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Mechanical and Connection Details



All dimensions in inches (mm)
Tolerances: Inches x.xxx ±0.02
Millimeters x.xx ±0.5