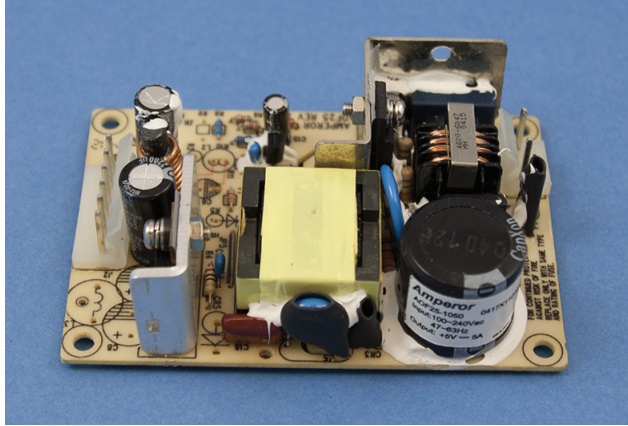


# AOF25 Series

Single or Multi Output Channels, 25W  
Open Frame Power Supply



## Features and Applications:

- AC-to-DC Switch Mode Power Supply
- Accept Universal AC Input
- Single or Multi Output Channel Options Available
- Industry Standard 3.6x2.5x1.15" Package for 1U Applications
- OVP / OCP / OTP / Short Circuit Protection
- cUL Report Available

All specifications are typical at nominal input, full load, at 25°C unless otherwise stated.

### Electrical Specifications

#### INPUT

Input Voltage Range	90 - 264Vac, (Rated 100 - 240Vac)
Input Frequency	47 - 63Hz
Input Current	Max. 1.0A@90Vac, Full load
Inrush Current	Max. 25A @120Vac Cold Start
Leakage Current	0.2mA@120Vac, 0.4mA@230Vac

#### OUTPUT

Max. Load	25W Continuous 30W w 15CFM Air-flow
Output Regulation	5%
Ripple & Noise	1% Vout at 20MHz
Efficiency	75% typical.
Hold-up Time	>18ms @ Full Load, 120Vac >24ms @ Full Load, 230Vac
Protection Circuitry	Shutdown & Auto Recovery
Power On Time	< 2 sec.

### Safety Certifications

cUL UL60950-1: 2003 1st edition

### General Specifications

Warranty Info / MTBF	Contact Amperor for detailed warranty and MTBF information
Dimension	91.44mm x 63.50mm x 25.50mm 3.6" x 2.5" x 1.15"

### Environmental Specifications

Operating Temp.	-20°C ~ 70°C
Temp. De-rating	40°C to +70°C
Storage Temp.	-20°C to +80°C
Relative Humidity	5% to 95% ( non-Condensing )
Vibration	2.5G rms peak, 5 ~ 500Hz
Shock	40G Peak
Cooling	Convection
RoHS	Compliant



### EMC

Conducted Emissions	EN55011, FCC part 15 level B
Radiated Emissions	EN55022, FCC part 15 level B

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# AOF65 Series

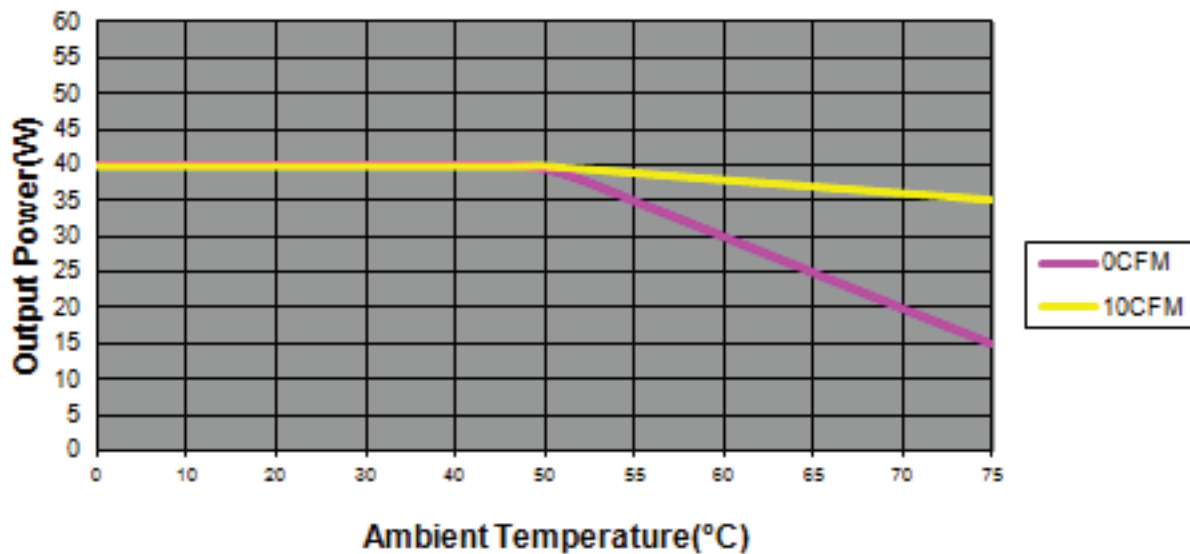
Multi Output Channels, 60W  
Open Frame Power Supply



## Output Specifications

Model	Output Voltage	Max. Load	Efficiency (%)	Output Voltage Regulation	Ripple & Noise
AOF40-33	3.3V	6A	76%	+/- 5%	50mV
AOF40-05	5V	6A	78%	+/- 5%	50mV
AOF40-09	9V	4.45A	82%	+/- 5%	90mV
AOF40-12	12V	3.3A	84%	+/- 5%	120mV
AOF40-15	15V	2.67A	85%	+/- 5%	150mV
AOF40-24	24V	1.67A	86%	+/- 5%	150mV
AOF40-30	30V	1.33A	86%	+/- 5%	150mV
AOF40-36	36V	1.11A	87%	+/- 5%	150mV
AOF40-48	48V	0.834A	88%	+/- 5%	150mV

## Airflow vs. Output Power De-Rating Curve

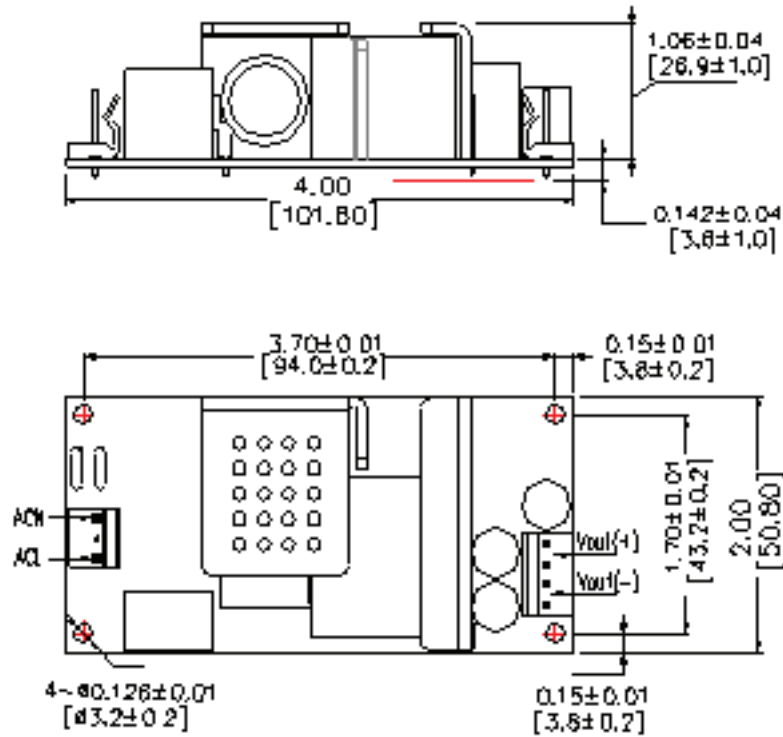


# AOF40 Series

Single Output Channels, 40W  
Open Frame Power Supply



## Mechanical Drawing



J1	AC INPUT CONNECTOR
PIN 1	NEUTRAL
PIN 2	NO PIN
PIN 3	LINE

J2	DC OUTPUT CONNECTOR
PIN 1	+V
PIN 2	+V
PIN 3	-V
PIN 4	-V

All dimensions in inch. (mm.). Tolerance: +/- 0.02" (0.5mm)