

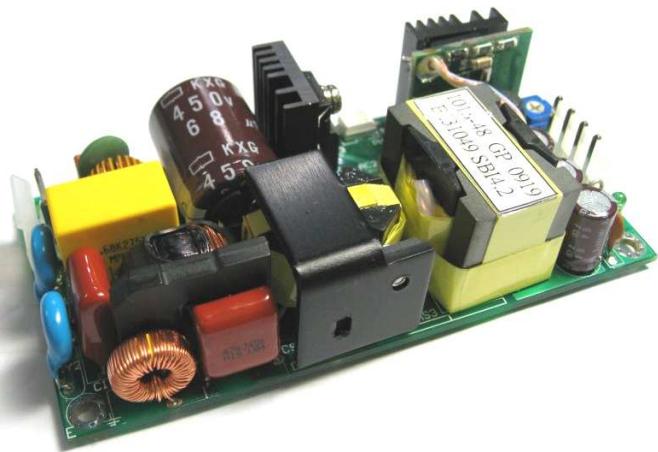


## Features

- \* 100W Single Output
- \* Universal Input Range 90~264Vac
- \* Active PFC Function
- \* 2"X4" Size
- \* Efficiency at 89% Typical
- \* Continuous Short Circuit Protection
- \* Meets EN55022 Class B and CISPR/FCC Class B

# CFM101S SERIES

## 100 WATT OPEN FRAME AC-DC MODULES WITH PFC



MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE NOTE 1	VOLTAGE ACCURACY NOTE 2	LINE REGULATION NOTE 3	VOLTAGE ADJ. RANGE	LOAD REGULATION NOTE 4	% EFF. (Typ.) NOTE5
CFM101S120	12 V	8.4 A	1%	±1%	±0.5%	11.4 ~ 12.6V	±1%	87%
CFM101S150	15 V	6.7 A	1%	±1%	±0.5%	14.25 ~ 15.75V	±1%	87%
CFM101S200	20 V	5.0 A	1%	±1%	±0.5%	19 ~ 21V	±1%	88%
CFM101S240	24 V	4.2 A	1%	±1%	±0.5%	22.8 ~ 25.2V	±1%	88%
CFM101S480	48 V	2.1 A	1%	±1%	±0.5%	45.6 ~ 50.4V	±1%	89%

Specifications are subject to change without notice.

## Specifications

## CFM101S Series Derating Curve

### INPUT SPECIFICATIONS:

Voltage	90~264Vac
Frequency	47 to 63Hz
Inrush Current	Cold Start @25°C 90A max. @240Vac
Conducted EMI	CISPR/FCC Class B
Leakage Current	3.5mA max.

### OUTPUT SPECIFICATIONS:

Hold-up Time	10mS typ. @115Vac
Short Circuit Protection	Continuous
Over Voltage Protection	TVS Component to Clamp
Temperature Coefficient	±0.05%/°C

### GENERAL SPECIFICATIONS:

Isolation	Input to output = 4,242VDC
Operating Temperature	0 ~ 70°C (see derating curve)
Storage Temperature	-20 ~ 85°C
Humidity	93% RH max. Non condensing
Cooling	Natural Convection
Switching Frequency	100KHz Typical
MTBF	MIL-HDBK-217F, GB, at 25°C/115VAC 200Khrs min.
Altitude	2000m
Dimensions	101.6x50.8x27.94 mm(4.000x2.000x1.100 inches)
Weight	150g

### SAFETY AND EMC:

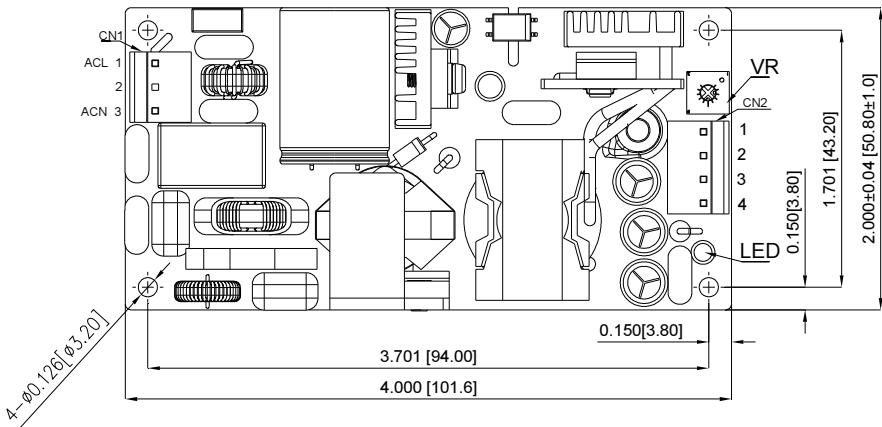
Emission and Immunity	EN55022 Class B
FCC Part 15 subpart B Class B, EN55024,EN61204-3,EN61000-6-3	
	EN61000-6-1,EN61000-3-2,EN61000-3-3

Safety IEC60950-1 2nd, EN60950-1 2nd, UL60950-1 2nd

### Mechanical Specification

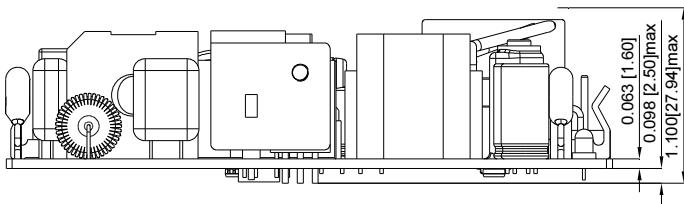
All Dimensions In Inches[mm]

Tolerance: Inches:x.xx = ± 0.02 , x.xxx = ± 0.010  
Millimeters:x.x = ± 0.5 , x.xx = ± 0.25



#### CN1:

PIN CONNECTION	
Pin	Function
1	Line
2	Not Fitted
3	Neutral



#### CN2:

PIN CONNECTION	
Pin	Function
1	Vout(+)
2	Vout(+)
3	Vout(-)
4	Vout(-)

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

# Mouser Electronics

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