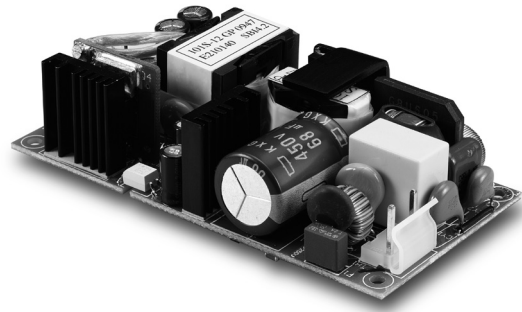


CFM101S

S E R I E S

100 WATT OPEN FRAME AC-DC MODULES WITH PFC



Features

- 100W Single Output
- Universal Input
90~264VAC
- Active PFC Function
- Meets EN55022 Class B
and CISPR/FCC Class B
- Efficiency to 89% Typical
- Continuous Short Circuit
Protection
- 2"x4" Size

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE NOTE 1	VOLTAGE ACCURACY NOTE 2	LINE REGULATION NOTE 3	VOLTAGE ADJ. RANGEL	LOAD REGULATION NOTE 4	% EFF (Typ.) NOTE 5
CFM101S120	12 V	8.4 A	1%	±1%	±0.5%	11.4 ~ 12.6 V	±1%	87%
CFM101S150	15 V	6.7 A	1%	±1%	±0.5%	14.25 ~ 15.75 V	±1%	87%
CFM101S200	20 V	5.0 A	1%	±1%	±0.5%	19 ~ 21 V	±1%	88%
CFM101S240	24 V	4.2 A	1%	±1%	±0.5%	22.8 ~ 25.2 V	±1%	88%
CFM101S480	48 V	2.1 A	1%	±1%	±0.5%	45.6 ~ 50.4 V	±1%	89%

Specifications

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:

Holdup Time 10ms typ. @115Vac
 Short Circuit Protection Continuous
 Over Voltage ProtectionTVS Component to Clamp
 Temperature Coefficient $\pm 0.05\%/^{\circ}\text{C}$

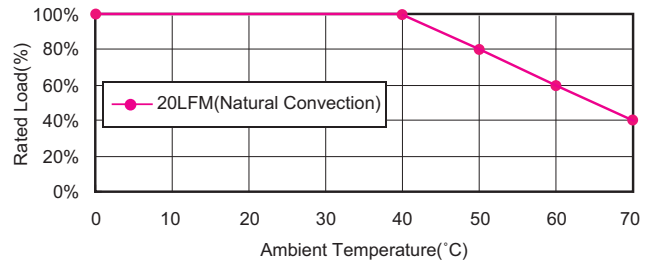
GENERAL SPECIFICATIONS:

Isolation Input to output = 4,242VDC
 Operating Temperature 0°C~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 200K hrs
 Altitude 2000m
 Dimensions 101.6x50.8x27.94 mm (4.0x2.0x1.1 inches)
 Weight 150g

SAFETY AND EMC:

Emission and ImmunityEN55022 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, EN60950-1, UL60950-1

CFM101S Series Derating Curve



NOTE:

1. Add a 0.1µF ceramic capacitor and a 10µF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
2. Voltage accuracy is set at 100% full load .
3. Line regulation is measured from High Line to Low Line with full load.
4. Load regulation is measured from full to 10% load.
5. Typical efficiency at 230 VAC and full load at 25°C.
6. Input connector mates with Molex housing 09-50-3031 and Molex 2878 series crimp terminal.
7. Output connector mates with Molex housing 09-50-3041 and Molex 2878 series crimp terminal.

CFM101S Series

All Dimensions In Inches(mm)
 Tolerance Inches: x.xxx= ± 0.02
 Millimeters: x.xx= ± 0.5

