



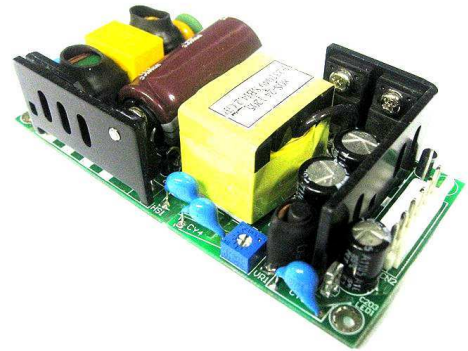
CFM80S SERIES

80W WATT OPEN FRAME AC-DC MODULES



Features

- * Universal Input Range 90-264 VAC
- * Continuous Short Circuit Protection
- * Efficiency to 90% Typical
- * Meets EN55022 Class B and CISPR/FCC Class B
- * Meet EN61000-3-2, Class A
- * No load Power Consumption < 0.5W
- * 2" x 4" Size



MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE NOTE2	VOLTAGE ACCURACY NOTE1	VOLTAGE ADJ. Range	LINE REGULATION NOTE3	LOAD REGULATION NOTE4	%EFF. (Typ.) NOTE5
CFM80S050	5V	12A	1%	±1%	4.75~5.25	±0.5%	±1%	86%
CFM80S120	12V	6.7A	1%	±1%	11.4~12.6	±0.5%	±1%	89%
CFM80S150	15V	5.36A	1%	±1%	14.25~15.75	±0.5%	±1%	90%
CFM80S240	24V	3.35A	1%	±1%	22.8~25.2	±0.5%	±1%	90%
CFM80S480	48V	1.67A	1%	±1%	45.6~50.4	±0.5%	±1%	90%

Specifications are subject to change without notice.

Specifications

INPUT SPECIFICATIONS:

Voltage 90~264Vac
 Frequency 47 to 63Hz
 Inrush Current **Cold start @25°C 100A max. @240Vac**
 Input Current 100Vac/1.5A max., 240Vac/0.8Amax.
 Leakage Current 3.5mA max.

OUTPUT SPECIFICATIONS:

Holdup Time 12mS typ. @115Vac
 Short Circuit Protection Hiccup Mode (Auto Recover)
 Over Voltage Protection TVS Component to Clamp
 Temperature Coefficient $\pm 0.05\%/^{\circ}\text{C}$

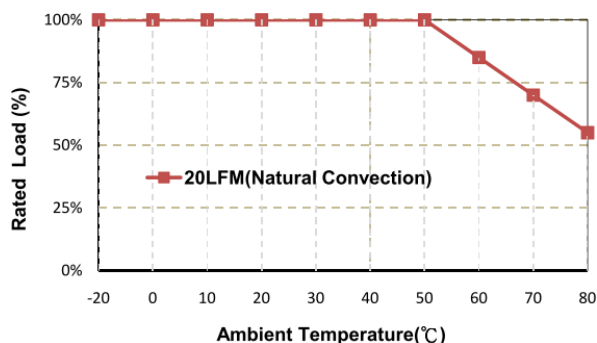
GENERAL SPECIFICATIONS:

Isolation Input to output = 4,242VDC
 Operating Temperature -20 ~ 80°C (see derating curve)
 Storage Temperature -20°C ~85°C
 Humidity 93% RH max. Non-Condensing
 Cooling Natural Convection
 Switching Frequency 100KHz Typical
 Dimensions 4.000x2.000x1.07inches (101.6x50.8x27.1mm)
 Weight 155 g

SAFETY AND EMC:

Emission and Immunity EN55022 CLASS B, FCC Part 15 Class B
 EN61000-6-3, EN61000-3-2, EN61000-3-3
 EN55024, EN61204-3, EN61000-6-1
 Safety IEC60950-1, EN60950-1, UL60950-1

CFM80S Series Derating Curve

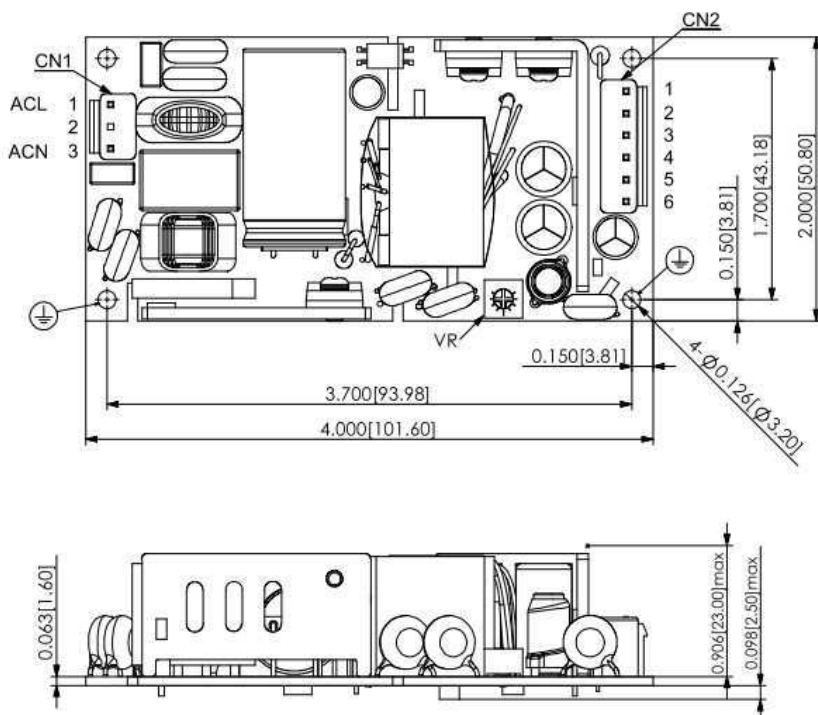


NOTE:

1. Voltage accuracy is set at full load.
2. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
3. Line regulation is measured from 100Vac to 240Vac with full load.
4. Load regulation is measured from 10% to 100% full load.
5. Typical efficiency at 230 VAC and full load at 25°C.
6. **Standard input and output connectors (CN1 and CN2) wafer with TAIWAN KING PIN TERMINAL PVHI series and mate with JST housing VHR series and JST SVH-21/41T-P1.1 series crimp terminal or equivalent.**

CFM80S Series

All Dimensions in Inches[mm]
 Tolerance Inches:x.xxx±0.02
 Millimeters:x.xx±0.5



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(-)
5	Vout(-)
6	Vout(-)

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