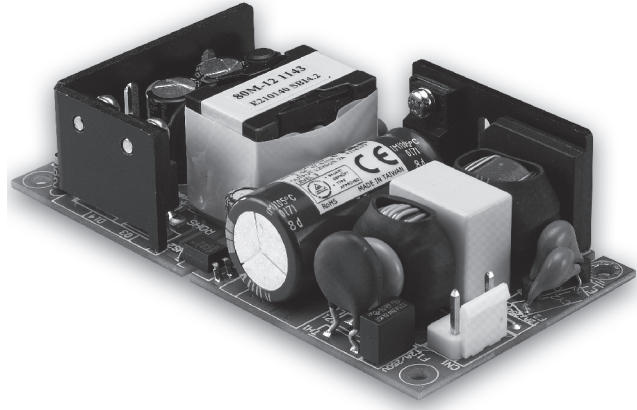


CFM80S

S E R I E S

80W WATT OPEN FRAME AC-DC MODULES



Features

- Universal Input Range
90~264VAC
- 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"x4" Size

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE NOTE2	VOLTAGE ACCURACY NOTE1	VOLTAGE ADJ. Range	LINE REGULATION NOTE 3	LOAD REGULATION NOTE 4	% EFF. (Typ.) NOTE 5
CFM80S050	5 V	12 A	1%	±1%	4.75~5.25	±0.5%	±1%	86%
CFM80S120	12 V	6.7 A	1%	±1%	11.4~12.6	±0.5%	±1%	89%
CFM80S150	15 V	5.36 A	1%	±1%	14.25~15.75	±0.5%	±1%	90%
CFM80S240	24 V	3.35 A	1%	±1%	22.8~25.2	±0.5%	±1%	90%
CFM80S480	48 V	1.67 A	1%	±1%	45.6~50.4	±0.5%	±1%	90%

Specifications

INPUT SPECIFICATIONS:

Voltage 90~264Vac
 Frequency 47 to 63Hz
 Inrush Current 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 $\pm 0.05\%/^{\circ}\text{C}$

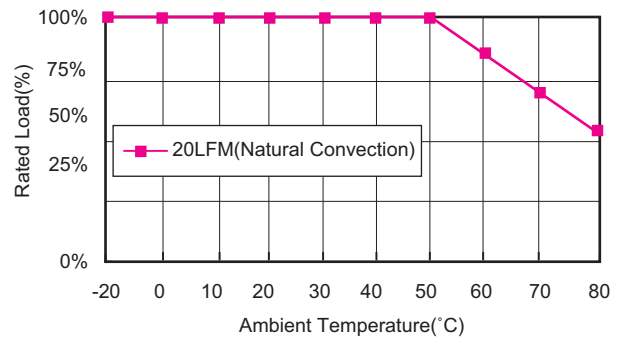
GENERAL SPECIFICATIONS:

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 4.000x2.000x1.07 inches (101.6x50.8x27.1 mm)
 Weight 155g

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

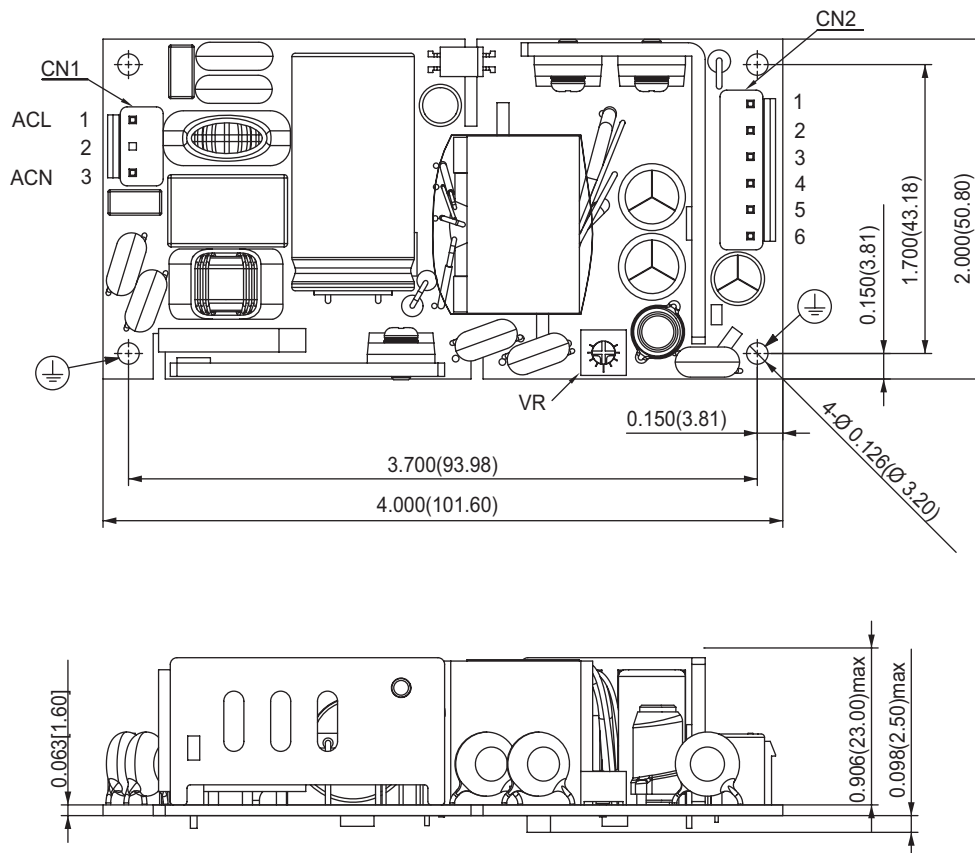


NOTE:

- Voltage accuracy is set at full load.
- Add a 0.1μF ceramic capacitor and a 10μF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
- Line regulation is measured from 100Vac to 240Vac with full load.
- Load regulation is measured from 10% to 100% full load.
- Typical efficiency at 230 VAC and full load at 25°C.
- 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(-)