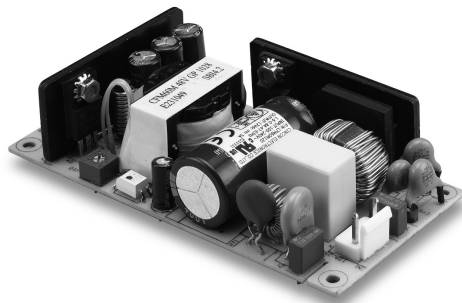


CFM60M

S E R I E S

60 WATT MEDICAL OPEN FRAME AC-DC MODULES



Features

- Universal Input Range 90~264VAC
- Medical and ITE Approved
- Efficiency to 90%
- Continuous Short Circuit Protection
- Meets EN55011 and EN55022 Class B
- No load Power Consumption < 0.5W
- 2"x4" Size
- Meets 2 MOPP

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE NOTE 2	VOLTAGE ACCURACY NOTE 1	VOLTAGE ADJ. Range	LINE REGULATION NOTE 3	LOAD REGULATION NOTE 4	(%) EFF. (Typ.) NOTE 5
CFM60M050	5 V	8 A	1%	±1%	4.75~5.25	±0.5%	±1%	82%
CFM60M120	12 V	5 A	1%	±1%	11.4~12.6	±0.5%	±1%	87%
CFM60M150	15 V	4 A	1%	±1%	14.25~15.75	±0.5%	±1%	88%
CFM60M240	24 V	2.5 A	1%	±1%	22.8~25.2	±0.5%	±1%	89%
CFM60M480	48 V	1.25 A	1%	±1%	45.6~50.4	±0.5%	±1%	90%

Specifications

INPUT SPECIFICATIONS:

Voltage90~264Vac
Frequency 47 to 63Hz
Inrush Current..... Cold start@25°C 75A max. @240Vac
Input Current 100Vac/1.6A max., 240Vac/0.8Amax.
Leakage Current 100uA max.

OUTPUT SPECIFICATIONS:

Holdup Time 16mS typ. @115Vac
Short Circuit ProtectionHiccup Mode (Auto Recover)
Over Voltage Protection TVS Component to Clamp
Temperature Coefficient $\pm 0.05\%/^{\circ}\text{C}$

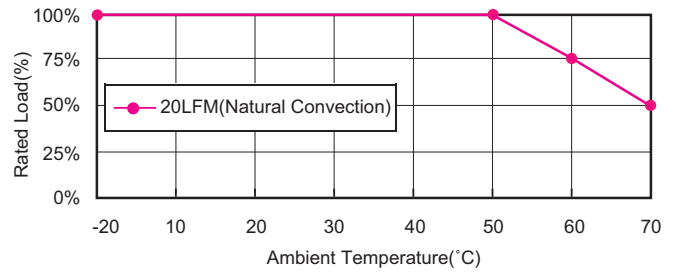
GENERAL SPECIFICATIONS:

Isolation Input to output = 5,656VDC
Operating Temperature -20°C~70°C (see Derating Curve)
Storage Temperature -20~85°C
Humidity 93% RH max. Non condensing
Cooling Natural Convection
Switching Frequency 65KHz Typical
MTBFMIL-HDBK-217F, GB, 25°C/115VAC.....200K hrs min.
Altitude 3000m
Dimensions 4.000x2.000x1.100 inches (101.6x50.8x27.94 mm)
Weight 125g

SAFETY AND EMC:

Emission and ImmunityEN55011, EN55022 Class B, EN55024,
FCC CFR 47 Part 15,18
EN61204-3, EN61000-6-1, EN61000-6-3
SafetyIEC60601-1:2005, EN60601-1:2006,
UL ANSI/AAMI ES60601-1:2005, IEC60950-1, EN60950-1, UL60950-1

CFM60M Series Derating Curve

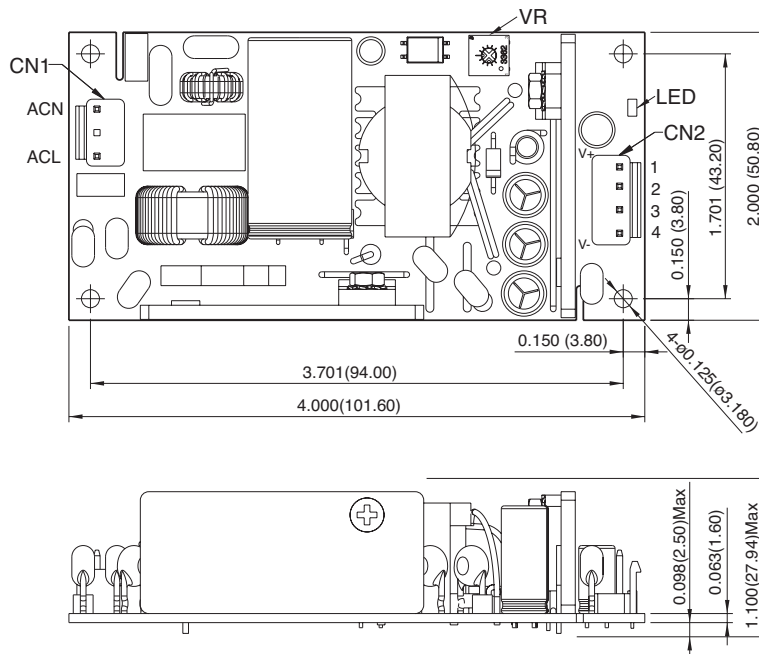


NOTE:

1. Voltage accuracy is set at full load and 25°C Ta.
2. Add a 0.1μF ceramic capacitor and a 10μF 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 or equivalent.
7. Optional Input and output connectors (CN1 and CN2) wafer with LONG CHU P3060 series and mate with MOLEX housing 5195 series and MOLEX 5194 series crimp terminal or equivalent.

CFM60M 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(-)