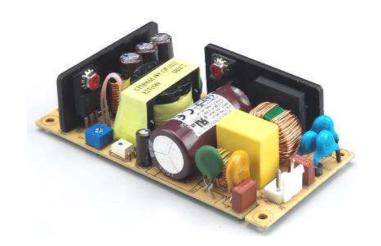


Features

- * Universal Input Range 90~264VAC
- * 2"x 4" Size
- * Efficiency to 90%
- * Continuous Short Circuit Protection
- * No Load Power Consumption<0.5W
- * Meets EN55011 and EN55032 Class B
- * IEC/EN/UL 60601-1 2MOPP Approval
- * IEC/EN/UL 60950-1 Approval
- * Meets IEC/EN60335-1
- * Meets Class I

CFM60M SERIES 60W MEDICAL OPEN FRAME AC-DC MODULES



MODEL	OUTPUT VOLTAGE	OUTPUT CURRETN	RIPPLE & NOISE NOTE 2	VOLTAGE ACCURACY NOTE 1	VOLTAGE ADJ. Range	LINE REGULATION NOTE3	LOAD REGULATION NOTE4	% EFF (Typ.) NOTE5
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:

Voltage	90~264Va	С
	120~370Vd	С
Frequency	47 to 63H	z
Inrush Current	Cold Start@25˚ℂ75A max. @240Va	С
Input Current	100Vac/1.6A max., 240Vac/0.8Amax	⟨.
Leakage Current	100uA max	⟨.

OUTPUT SPECIFICATIONS:

Hold-up Time	16ms typ. @115Vac
Short Circuit Protection	Hiccup Mode (Auto Recover)
Over Voltage Protection	TVS Component to Clamp
Tomporature Coefficient	±0.05%/°C

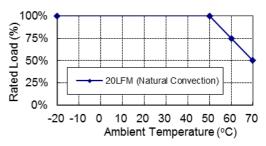
GENERAL SPECIFICATIONS:

GENERAL SPECIFICA	ATIONS.
Isolation	Input to output = 4000VAC (5,656VDC)
Operating Temperature (note 9)	20 ~ 70 $^{\circ}$ C (see Derating Curve)
Storage Temperature	20~85°C
Humidity	93% RH max. Non-Condensing
Cooling	Natural Convection
Switching Frequency	65KHz Typical
MTBF MIL-HDBK-217F	F, GB, 25°C/115VAC 200Khrs min.
Altitude	3000m
Dimensions 4.000x2.00	0x1.100inches (101.60x50.80x27.94mm)
CFM60MXXX-CA 4.606x2.36	2x1.575inches (117.00x50.80x40.00mm)
Weight	125g

SAFETY AND EMC:

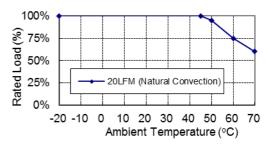
CFM60M Series Derating Curve

Open Frame versions:



Covered versions:

CFM60M050-CA



NOTE:

- 1. Voltage accuracy is set at full load and 25°C Ta.
- 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
- 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.
- 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.
- 8. Safety approvals do not apply to the covered versions, only to the open frame versions.
- 9. Others model refer to application note.

Mechanical Specification

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