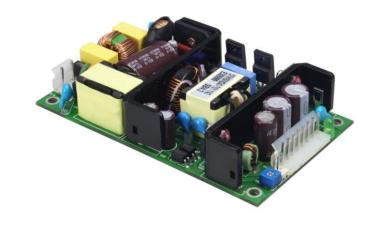


CFM150M SERIES 150W MEDICAL AND ITE OPEN FRAME AC-DC MODULES WITH PFC



- * Universal Input Range 90 ~ 264Vac
- * Medical Approved
- * 3"x 5" Compact Size
- * Less than 1 U High: 1.05"
- * Industry Standard Pin Out
- * Active PFC Meets EN61000-3-2
- * High Efficiency up to 93%
- * Meets CISPR/FCC Class B
- * Remote Voltage Sense
- * Over Voltage Protection
- * Continuous Short Circuit Protection
- * No Load Power Consumption < 0.5W
- * Meets 2MOPP
- * Meets Class I



MODEL	OUTPUT VOLTAGE	MAX. LOAD	MIN. LOAD	RIPPLE & NOISE NOTE 1	VOLTAGE ACCURACY NOTE2	LINE REGULATION NOTE 3	LOAD REGULATION NOTE 4	% EFF. (Typ.) NOTE 5
CFM150M120	12 V	12.5 A	0 A	1%	±1%	±0.5%	±1%	90%
CFM150M240	24 V	6.25 A	0 A	1%	±1%	±0.5%	±1%	92%
CFM150M360	36 V	4.17 A	0 A	1%	±1%	±0.5%	±1%	92%
CFM150M480	48 V	3.13 A	0 A	1%	±1%	±0.5%	±1%	93%

Specifications are subject to change without notice.

Specifications

INPUT SPECIFICATIONS:

Voltage	90~264Vac
	120~370V _{dc}
Frequency	47 to 63Hz
Inrush Current	110A max. @240Vac
Leakage Current	300uA max.

OUTPUT SPECIFICATIONS:

Hold-up Time	16ms typ.
Short Circuit Protection	Hiccup Mode (Auto Recovery)
Adjustment Range on Vout	±5%
Over Voltage Protection	Recycle AC input to Restart
Tomporature Coefficient	±0.05%/°C may

GENERAL SPECIFICATIONS:

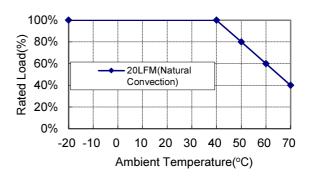
Isolation	Input to Output = $5,656V_{dc}$
Operating Temperature	20°C ~ 70°C (See Derating Curve)
Storage Temperature	20 ~ 85℃
Humidity	93% RH max. Non Condensing
Cooling	Natural Convection
Switching Frequency	90kHz Typical.
MTBF MIL-HDBK-217F, G	BB, 25°C/115V _{ac} 100khrs min.
Altitude	3000m
Dimensions 5.000x3.000x1.05	60 inches (127.00x76.20x26.67 mm)
Weight	270g (0.6Pounds)

SAFETY AND EMC:

Emission and Immunity EN60601-1-2:2015 ed. 4.0 EN55011, EN55032 Class B, FCC CFR 47 Part 15 EN61000-3-2, 3, IEC61000-4-2, 3, 4, 5, 6, 8, 11 Safety Class I, IEC60601-1:2005+A1:2012 ed3.1

EN60601-1:2006+A11:2011+A1+A12 ed 3.1, UL ANSI/AAMI ES60601-1:2005

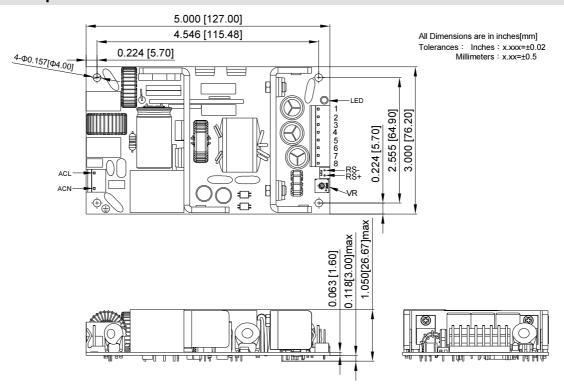
CFM150M Series Derating Curve



NOTE:

- 1. Add a 0.1uF ceramic capacitor and 10uF E.L. capacitor to output for ripple&noise measuring @20MHz BW.
- 2. Voltage accuracy is set at 100% rated load and 25 $^{\circ}\mathrm{C}$ Ta.
- 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 230VAC and full load at 25℃.
- 6. Standard input and output connectors wafer with LONG CHU P3060 series and mate with MOLEX housing 09-50-1031 and 09-50-1081 or
- 7. DC output pin 1, 2, 3, 4: Vout (-), DC output pin 5, 6, 7, 8: Vout (+).

Mechanical Specification



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