



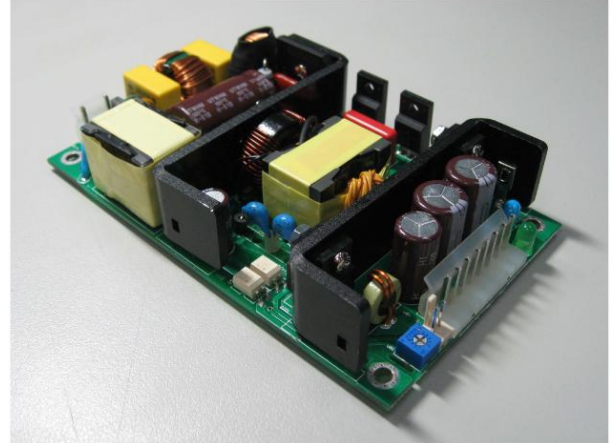
E-Star Power Development Co., Ltd. (E-STAR)
 1F, No.40, Juren Ln., Sec. 2, Sanmin Rd., Banciao Dist., New Taipei City
 22069, Taiwan (R.O.C.)
 Phone : 886-2-2957 5580 Fax : 886-2-2957 7473

150W Open Frame type Single output / Medical power supply < CFM150M



Features

- * Universal Input Range 90 ~ 264VAC
- * Medical and ITE Safeties
- * 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



MODEL	OUTPUT VOLTAGE	MAX. LOAD	MIN. LOAD	RIPPLE & NOISE NOTE 1	VOLTAGE ACCURACY NOTE 2	LINE REGULATION NOTE 3	LOAD REGULATION NOTE 4	% EFF. (Typ.) NOTE 5
CFM150M120	12V	12.5A	0A	1%	±1%	±0.5%	±1%	90%
CFM150M240	24V	6.25A	0A	1%	±1%	±0.5%	±1%	92%
CFM150M360	36V	4.17A	0A	1%	±1%	±0.5%	±1%	92%
CFM150M480	48V	3.13A	0A	1%	±1%	±0.5%	±1%	93%



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Specifications

INPUT SPECIFICATIONS:

Voltage 90~264Vac
 Frequency 47 to 63Hz
 Inrush Current 110A max. @240Vac
 Leakage Current 300uA max.

OUTPUT SPECIFICATIONS:

Holdup Time 16ms typ.
 Short Circuit Protection Hiccup mode(Auto Recovery)
 Adjustment Range on Vout ±5%
 Over Voltage Protection Recycle AC input to restart
 Temperature Coefficient ±0.05%/°C

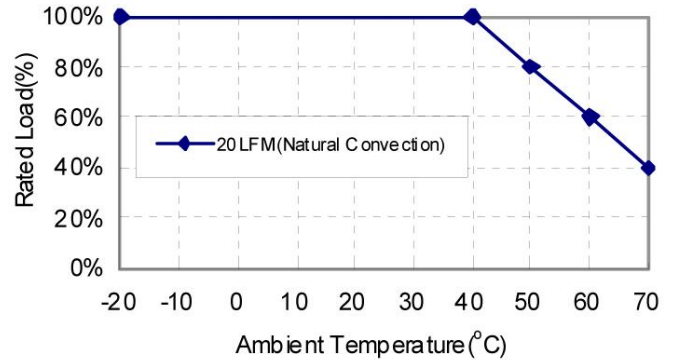
GENERAL SPECIFICATIONS:

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 90KHz Typical.
 MTBF MIL-HDBK-217F, GB, 25°C/115VAC 100K hrs min.
 Altitude 3000m
 Dimensions 5.000x3.000x1.050inches (127.00x76.20x26.67mm)
 Weight 270g (0.6Pounds)

SAFETY AND EMC:

Emission and Immunity EN55011 Class B, FCC Part 15 Class B
 EN60601-1-2, EN61000-3-2 Class A, B, C, D, EN61000-3-3
 Safety IEC60601-1:2005, EN60601-1:2006, ANSI/AAMI ES60601-1:2005
 IEC60950-1, EN60950-1, UL60950-1

CFM150M Series Derating Curve



NOTE:

1. CFM150M: 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°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°C.
6. Standard input and output connectors wafer with LONG CHU P3060 series and mate with MOLEX housing 5195 series or equivalent.
7. DC output pin 1, 2, 3, 4: Vout (-), DC output pin 5, 6, 7, 8: Vout (+).

CFM150M Series

All Dimensions are in inches[mm]
 Tolerances : Inches : x.xxx=±0.02
 Millimeters : x.xx=±0.5

