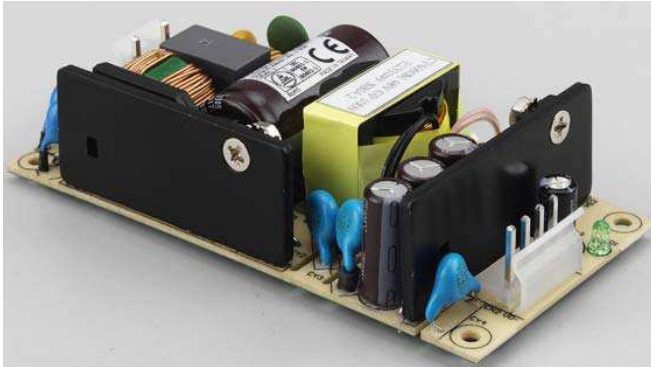


AC-DC

Buy online at www.stadiumpower.co.uk

CFM60 SERIES

60W MEDICAL OPEN FRAME AC-DC MODULES



Features:

- Universal Input Range 90-264VAC
- Efficiency to 90%
- Continuous Short Circuit Protection
- Meets EN60601-1 and EN55011 Class B
- No load Power Consumption < 0.5W
- 2" x 4" Size

Safety Approvals



Electrical Characteristics:

MODEL	OUTPUT VOLTAGE	MAX. LOAD	MIN. LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	VOLTAGE ADJ. Range	LINE REGULATION	LOAD REGULATION	(%) EFF(1). (Typ.)
CFM60M050	5V	8A	0A	1%	± 1%	4.75~5.25	± 0.5%	± 1%	82%
CFM60M120	12V	5A	0A	1%	± 1%	11.4~12.6	± 0.5%	± 1%	87%
CFM60M150	15V	4A	0A	1%	± 1%	14.25~15.75	± 0.5%	± 1%	88%
CFM60M240	24V	2.5A	0A	1%	± 1%	22.8~25.2	± 0.5%	± 1%	89%
CFM60M480	48V	1.25A	0A	1%	± 1%	45.6~50.4	± 0.5%	± 1%	90%

Notes: Typical Efficiency at 230 VAC and Full Load at 25°C.

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Tel: +44(0)1379 644233

Specification

INPUT SPECIFICATIONS:

Voltage	90~264Vac
Frequency	47 to 63Hz
Inrush Current	75A max. @240Vac
Input Current	100Vac/1.6A max., 240Vac/0.8Amax.
Leakage Current	100uA max.

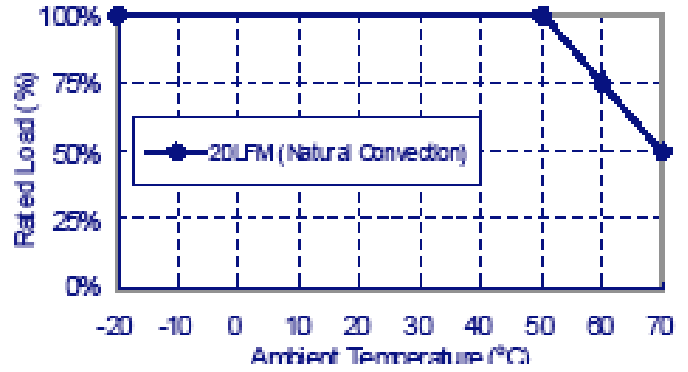
OUTPUT SPECIFICATIONS:

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

GENERAL SPECIFICATIONS:

Isolation	Input to output = 5,656VDC
Operating Temperature	-20 ~ 50 °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, GB, 25 °C/115VAC T.B.D hrs
Altitude	3000m
Dimensions	4.000x2.000x1.100inches (101.6x50.8x27.94mm)
Weight	125g

CFM60 Series Derating Curve



SAFETY AND EMC:

Emission and Immunity	EN55011 Class B, FCC CFR 47 Part 18 EN60601-1-2, EN61000-3-2, EN61000-3-3
Safety	IEC60601-1, EN60601-1, UL60601-1

NOTES:

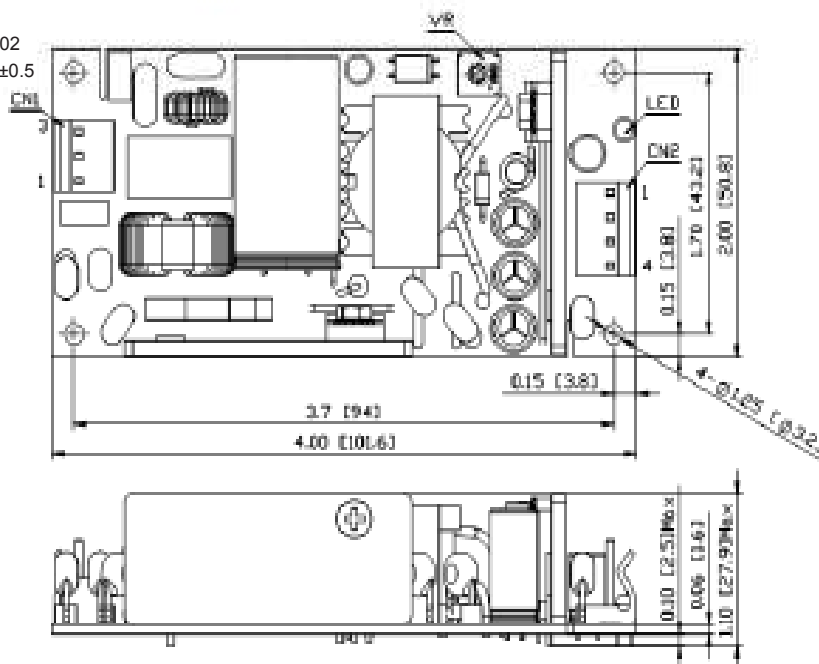
1. Voltage accuracy is set at full load.
2. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
3. Line regulation is measured from 100Vac to 240Vac with full load.
4. Load regulation is measured from 10% to 100% full load. Connectors: AC input: JST VHor equivalent DC input: JST VH or equivalent

CFM60 Series

All Dimensions In Inches(mm)

Tolerance

Inches: x.xxx= ±0.02
Millimeters: x.xx= ±0.5



Input Connector CN1

Pin 1	Line
Pin 2	Not Fitted
Pin 3	Neutral

Output Connector CN2

Pin 1	+ Vout
Pin 2	+ Vout
Pin 3	- Vout
Pin 4	- Vout

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

