

5 WATT MEDICAL OPEN FRAME AC-DC MODULES



Features:

- Universal Input Range 85-264VAC
- Efficiency to 80%
- Meets EN60601-1 and EN55011 Class B
- Continuous Short Circuit Protection
- Low Leakage Current 100uA Max.
- PCB Mountable

Safety Approvals



Electrical Characteristics:

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT (A)		RIPPLE (mVp-p)	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	% EFF.
		MIN.	MAX.					
CFM05S033-M	3.3V	0A	1.25A	50mV	± 1%	± 0.5%	± 1%	70%
CFM05S050-M	5.0V	0A	1.0A	50mV	± 1%	± 0.5%	± 1%	73%
CFM05S090-M	9.0V	0A	0.55A	90mV	± 1%	± 0.5%	± 1%	76%
CFM05S120-M	12.0V	0A	0.42A	120mV	± 1%	± 0.5%	± 1%	77%
CFM05S150-M	15.0V	0A	0.33A	150mV	± 1%	± 0.5%	± 1%	78%
CFM05S180-M	18.0V	0A	0.28A	180mV	± 1%	± 0.5%	± 1%	78%
CFM05S240-M	24.0V	0A	0.23A	240mV	± 1%	± 0.5%	± 1%	80%

Specification

INPUT SPECIFICATIONS:

Voltage	85~264Vac
Frequency	47 to 63Hz
Inrush Current	40A max. @240Vac
Leakage Current	100uA max.

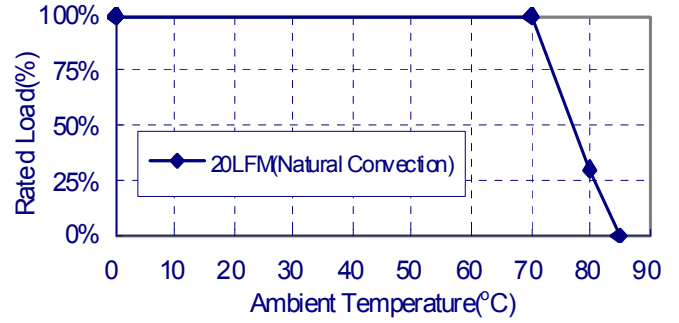
OUTPUT SPECIFICATIONS:

Holdup Time	8mS typ. @115Vac
Short Circuit Protection	Continuous(Auto Recovery)
Over Voltage Protection	TVS Component to Clamp
Temperature Coefficient	±0.05%/ °C

GENERAL SPECIFICATIONS:

Isolation	Input to output = 5,656VDC
Operating Temperature	0~ °C 85 °C (see derating curve)
Storage Temperature	-20~85 °C
Humidity	93% RH max. Non condensing
Cooling	Natural Convection
Switching Frequency	60KHz Typical
MTBF	MIL-HDBK-217F, GB, at 25/115VAC °C 200K hrs min
Altitude	2000m
Dimensions	2.165x1.378x0.827inches (55.00x35.00x21.00mm)
Weight	35g (0.08 Pounds)

CFM05M Series Derating Curve



SAFETY AND EMC:

- 1. Emission and Immunity EN55011 Class B, EN60601-1-2
EN61000-3-2, EN61000-3-3
- Safety IEC60601-1, EN60601-1, UL60601-

NOTES:

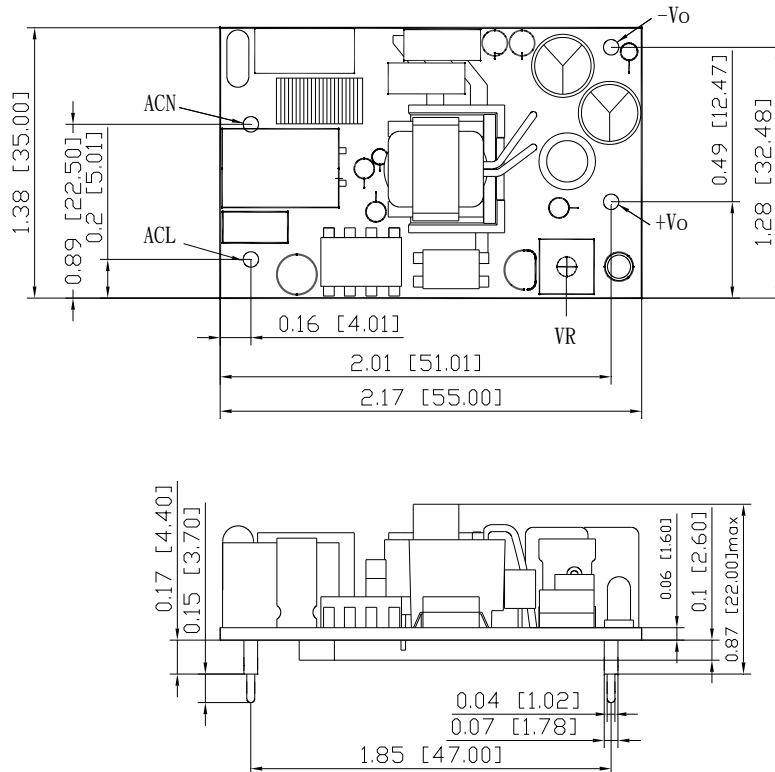
1. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
2. Line regulation is measured from 100Vac to 240Vac with full load.
3. Load regulation is measured from 10% to 100% full load.

CFM05M Series

All Dimensions In Inches(mm)

Tolerance

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



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

Data sheets are subject to change without notice, please check with our sales office before ordering