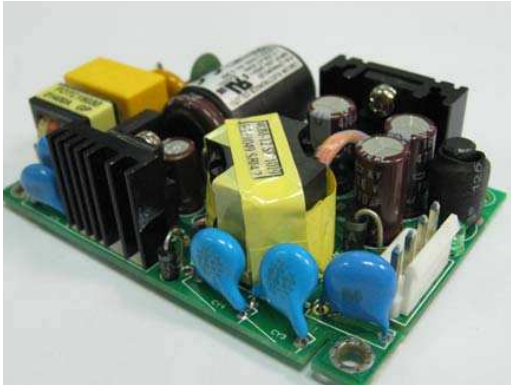


40W MEDICAL OPEN FRAME AC-DC MODULES



Features:

- Universal Input RANGE 90-264VAC
- Efficiency to 88% Typical
- Continuous Short Circuit Protection
- Meets EN60601-1 and EN55011 Class B
- No load Power Consumption < 0.3W
- 2" x 3" Size

Safety Approvals



Electrical Characteristics:

MODEL	OUTPUT VOLTAGE	MAX. LOAD	MIN. LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	(%) EFF(1). (Typ.)
CFM40M033	3.3 V	6A	0A	50mV	± 1%	± 0.5%	± 1%	76%
CFM40M050	5 V	6A	0A	1%	± 1%	± 0.5%	± 1%	80%
CFM40M090	9 V	4.45A	0A	1%	± 1%	± 0.5%	± 1%	84%
CFM40M120	12 V	3.34A	0A	1%	± 1%	± 0.5%	± 1%	86%
CFM40M150	15 V	2.67A	0A	1%	± 1%	± 0.5%	± 1%	87%
CFM40M240	24 V	1.67A	0A	1%	± 1%	± 0.5%	± 1%	88%
CFM40M300	30 V	1.33A	0A	1%	± 1%	± 0.5%	± 1%	88%
CFM40M360	36 V	1.11A	0A	1%	± 1%	± 0.5%	± 1%	88%
CFM40M480	48 V	0.834A	0A	1%	± 1%	± 0.5%	± 1%	88%

Specification

INPUT SPECIFICATIONS:

Voltage	90~264Vac
Frequency	47 to 63Hz
Inrush Current	60A max. @240Vac
Input Current	100Vac/1A max., 240Vac/0.55A max.
Leakage Current	100uA max

OUTPUT SPECIFICATIONS:

Holdup Time	10ms typ. @115Vac
Short Circuit Protection	Hiccup Mode (Auto Recover)
Over Voltage Protection	TVS Component to Clamp
Temperature Coefficient	±0.05%/ °C

GENERAL SPECIFICATIONS:

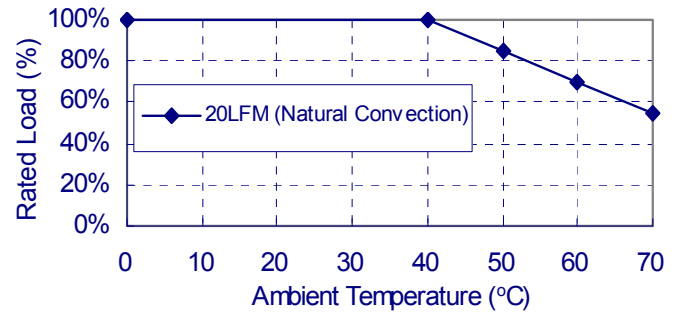
Isolation	Input to output=5,656VDC
Operating Temperature	0 °C ~ 50 °C (see Derating Curve)
Storage Temperature	-20~85 °C
Humidity	93% RH max. Non condensing
Cooling	Natural Convection
Switching Frequency	65KHz Typical
MTBF	MIL-HDBK-217F, GB, 25 °C/115VAC 200K hrs min.
Altitude	3000m
Dimensions	3.00x2.00x0.91 Inches(76.2*50.8*23.1mm)
Weight.....	90g

SAFETY AND EMC:

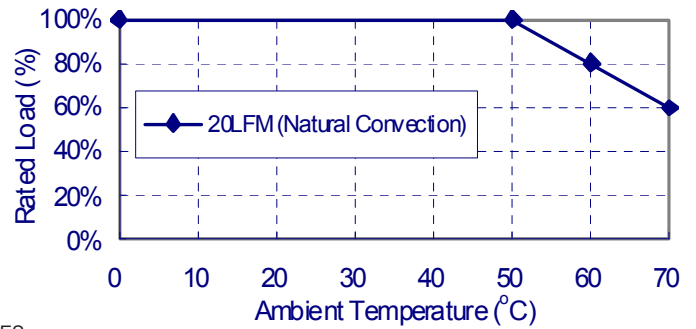
Emission and Immunity	EN55011 Class B, FCC CFR 47 Part 18 EN60601-1-2 , EN61000-3-2 ,EN61000-3-3
Safety	IEC60601-1, EN60601-1, UL60601-1

CFM40M Series Derating Curve

CFM40M050



CFM40M033 , 090 , 120 , 150 , 240 , 300 , 360 , 480



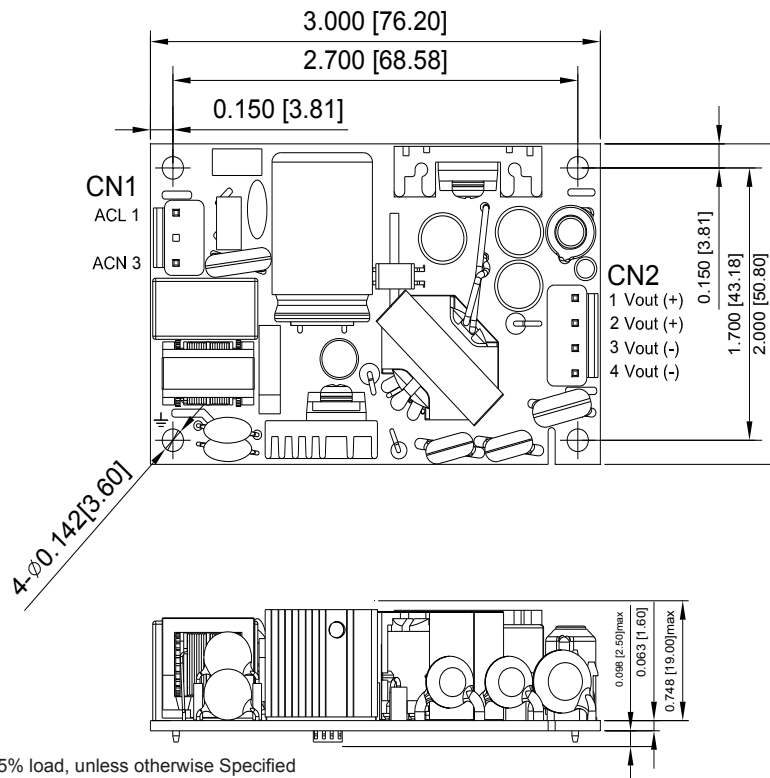
NOTES:

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.
5. Connectors: AC input: JST VHor equivalent DC input: JST VH or equivalent

CFM40M 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