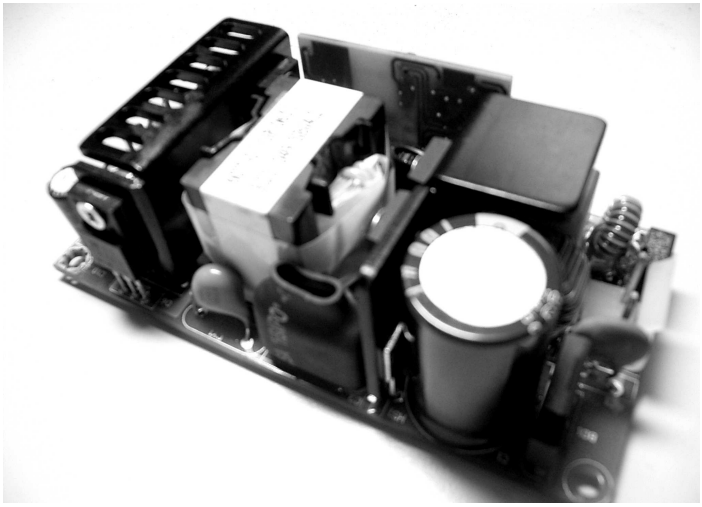
CFM60T SERIES

60W TRIPLE OUTPUT AC-DC MODULES

E176177

Features

* Universal Input: 90~264Vac
* 2” x 4” Size
* Industry-Standard Pin Out
* Efficiency to 83%
* Meets EN61204-3 Class B and CISPR/FCC Class B
* Short Circuit Protection



MODEL	Output Voltage	Output Current(A)			Ripple (mVp-p)	Voltage Accuracy	Line Reg.	Load Reg.	O/P Power Max.	% EFF. (Typ.)
		Min.	Rated	Max.						
CFM60T-01	V1=5V	0A	4.0A	5.0A	50mV	±2%	±1%	±4%	62W	83%
	V2=12V	0A	3.0A	3.7A	120mV	±5%	±1%	±3%		
	V3=-12V	0A	0.5A	0.65A	120mV	±5%	±1%	±5%		
CFM60T-02	V1=5V	0A	4.0A	5.0A	50mV	±2%	±1%	±4%	62W	83%
	V2=15V	0A	2.5A	3.1A	150mV	±4%	±1%	±3%		
	V3=-15V	0A	0.3A	0.5A	150mV	±5%	±1%	±5%		
CFM60T-03	V1=5V	0A	4.0A	5.0A	50mV	±2%	±1%	±4%	62W	83%
	V2=24V	0A	1.5A	1.8A	240mV	±3%	±1%	±3%		
	V3=-12V	0A	0.5A	0.6A	120mV	±5%	±1%	±5%		
CFM60T-04	V1=3.3V	0A	6.0A	7.5A	50mV	±4%	±1%	±5%	40.8W	78%
	V2=5V	0A	3.0A	3.7A	50mV	±5%	±1%	±4%		
	V3=-12V	0A	0.5A	0.65A	120mV	±5%	±2%	±5%		

Specifications

INPUT SPECIFICATIONS:

Voltage ..... 90~264Vac
Frequency ..... 47 to 63Hz
Inrush Current ..... Cold Start@25℃ ..... 50A max. @240Vac
Leakage Current ..... 3.5mA max.

OUTPUT SPECIFICATIONS:

Holdup Time ..... 8ms typ. @115Vac
Short Circuit ..... Hiccup Mode (Auto Recover)
Over Voltage Protection ..... 6V/7V on V1(3.3V/5V)
15V/18V/28V on V2(12V/15V/24V)
Temperature Coefficient ..... ±0.05%/℃

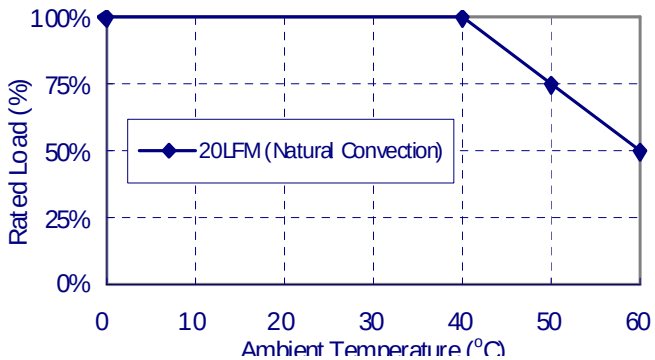
GENERAL SPECIFICATIONS:

Isolation ..... Input to output = 4,242VDC
Operating Temperature ..... 0 ~ 60℃ (see Derating Curve)
Storage Temperature ..... -20 ~ 85℃
Humidity ..... 93% RH max. Non-Condensing
Cooling ..... Natural Convection
Switching Frequency ..... 65KHz Typical
MTBF ..... MIL-HDBK-217F, GB, 25℃/115VAC ..... T.B.D hrs
Altitude 2000m
Dimensions 4.000x2.000x1.260Inches (101.60x50.80x32.00mm)
Weight ..... 170g (0.37 Pounds)

SAFETY AND EMC:

Emission and Immunity ..... EN55022 Class B, FCC Part 15 Class B
EN61000-3-2, EN61000-3-3, EN55024
Safety IEC60950-1, EN60950-1, UL60950-1

CFM60T Series Derating Curve

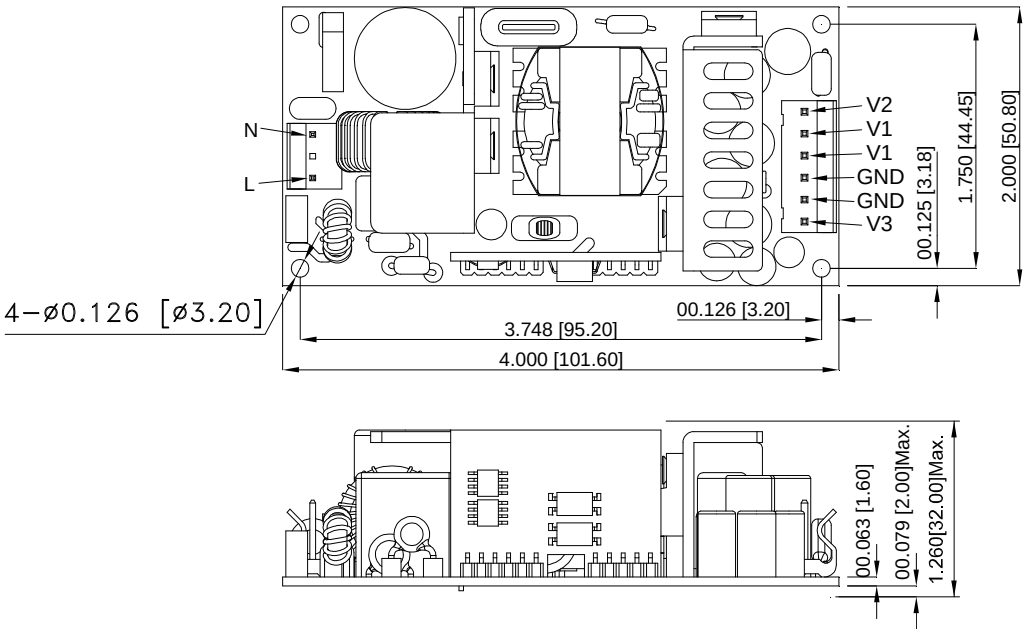


NOTE:

1. Voltage accuracy is set of 60% rated 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 103Vac~127Vac & 207Vac~253Vac with rated load.
4. Load regulation is defined by changing ±40% of measured output load from 60% rated load at other outputs set to 60% rated load.
5. Input connector mates with Molex housing 09-50-3031 and Molex 2878 series crimp terminal.
6. Output connector mates with Molex housing 09-50-3061 and Molex 2878 series crimp terminal.

CFM60T Series

All Dimensions are in inches[mm]
Tolerances：Inches：X.XXX±0.02
Millimeters：X.XX±0.5



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