



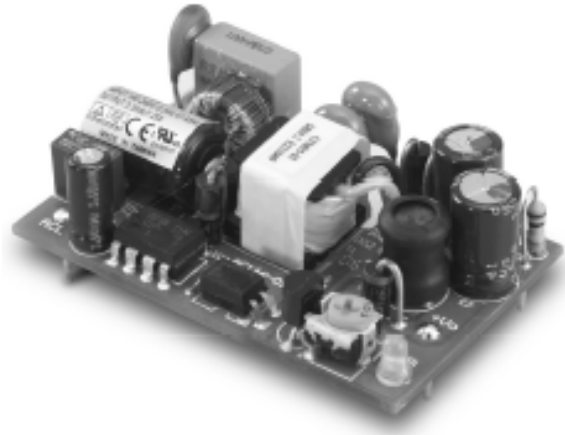
# CFM05 SERIES

## 5 WATT OPEN FRAME AC-DC MODULES



### Features

- \* Universal Input Range 85~264VAC
- \* Efficiency to 79%
- \* Meets EN55022 Class B
- \* Continuous Short Circuit Protection
- \* Low Leakage Current 0.25mA Max.
- \* PCB Mountable



MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT(A)		RIPPLE (mVp-p) NOTE 1	VOLTAGE ACCURACY NOTE 2	LINE REGULATION NOTE 3	LOAD REGULATION NOTE 4	%EFF. (Typ.) NOTE 5
		MIN.	MAX.					
CFM05S033	3.3V	0A	1.25A	50mV	±1%	±0.5%	±1%	69%
CFM05S050	5.0V	0A	1.0A	50mV	±1%	±0.5%	±1%	73%
CFM05S090	9.0V	0A	0.55A	90mV	±1%	±0.5%	±1%	77%
CFM05S120	12.0V	0A	0.42A	120mV	±1%	±0.5%	±1%	77%
CFM05S150	15.0V	0A	0.33A	150mV	±1%	±0.5%	±1%	78%
CFM05S180	18.0V	0A	0.28A	180mV	±1%	±0.5%	±1%	79%
CFM05S240	24.0V	0A	0.23A	240mV	±1%	±0.5%	±1%	76%



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Specifications are subject to change without notice.

## Specifications

### INPUT SPECIFICATIONS:

Voltage ..... 85~264Vac  
 Frequency ..... 47 to 63Hz  
 Inrush Current ..... 40A max. @240Vac  
 Conducted EMI ..... CISPR/FCC Class B  
 Leakage Current ..... 0.25mA max.

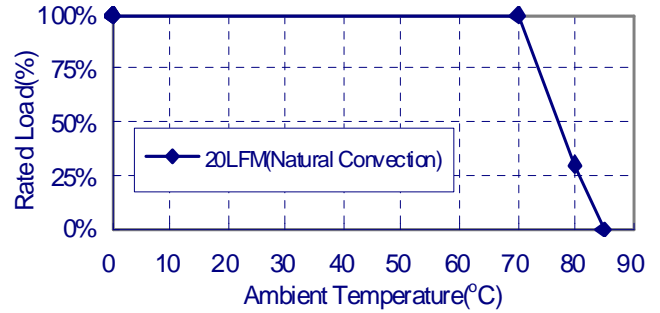
### OUTPUT SPECIFICATIONS:

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 = 4,242VDC  
 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°C/115VAC ..... 200Khrs min.  
 Altitude ..... 2000m  
 Dimensions ..... 2.165x1.378x0.827inches (55.00x35.00x21.00mm)  
 Weight ..... 35g (0.08 Pounds)

## CFM05S Series Derating Curve



### SAFETY AND EMC:

Emission and Immunity ..... EN55022 Class B, EN61000-6-3  
 EN61000-3-2, EN61000-3-3, EN55024  
 EN61204-3, EN61000-6-1  
 Safety ..... IEC60950-1, EN60950-1, UL60950-1

### NOTE:

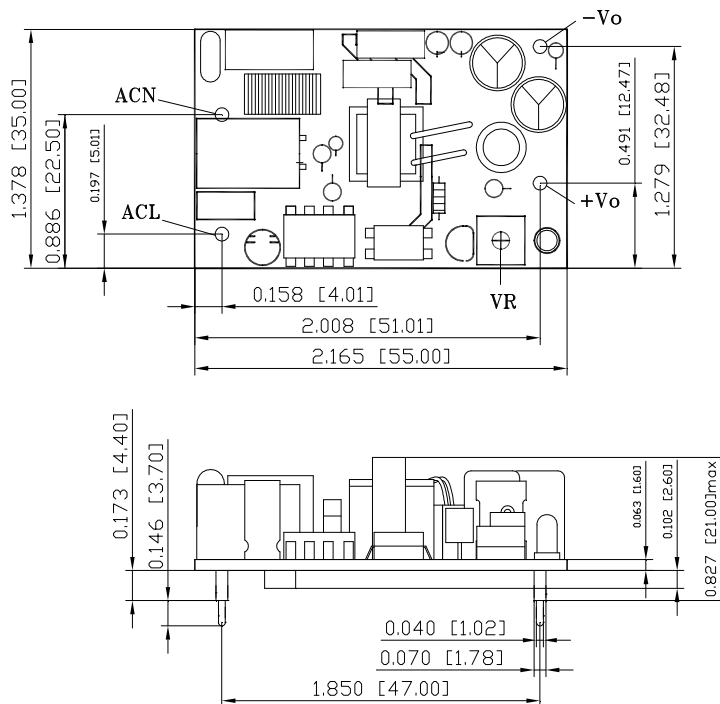
1. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
2. Voltage accuracy is set at 100% rated load and 25°C Ta.
3. Line regulation is measured from 100Vac to 240Vac with full load.
4. Load regulation is measured from 10% to 100% full load.
5. Typical efficiency at 230VAC and full load at 25°C.

### CFM05 Series

All Dimensions are 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



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