



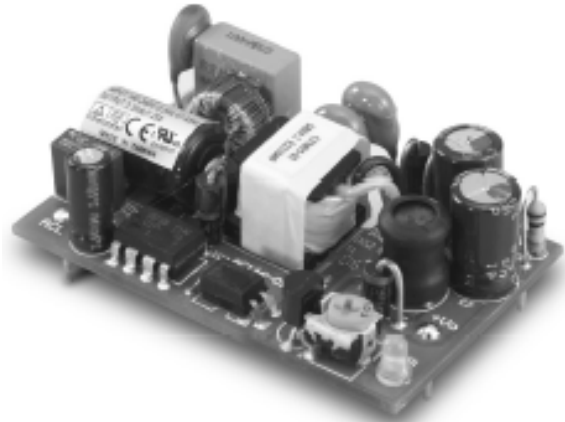
CFM05 SERIES

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%

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 $\pm 0.05\%/^{\circ}\text{C}$

GENERAL SPECIFICATIONS:

Isolation Input to output = 4,242VDC
 Operating Temperature $0^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (see derating curve)
 Storage Temperature $-20 \sim 85^{\circ}\text{C}$
 Humidity 93% RH max. Non condensing
 Cooling Natural Convection
 Switching Frequency 60KHz Typical
 MTBF MIL-HDBK-217F, GB, at $25^{\circ}\text{C}/115\text{VAC}$ 200Khrs min.
 Altitude 2000m
 Dimensions 2.165x1.378x0.827inches (55.00x35.00x21.00mm)
 Weight 35g (0.08 Pounds)

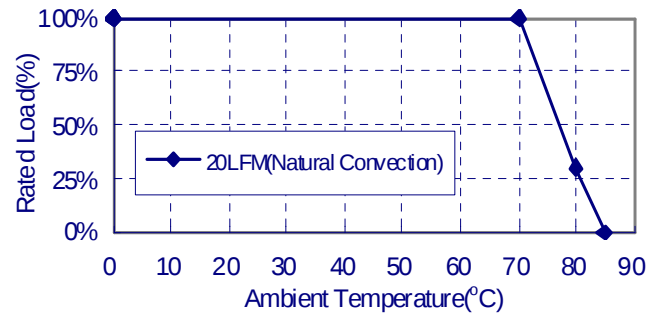
CFM05 Series

All Dimensions are in inches(mm)

Tolerance: Inches:X.XXX $\pm$ 0.02

Millimeters:X.XX $\pm$ 0.5

CFM05S Series Derating Curve

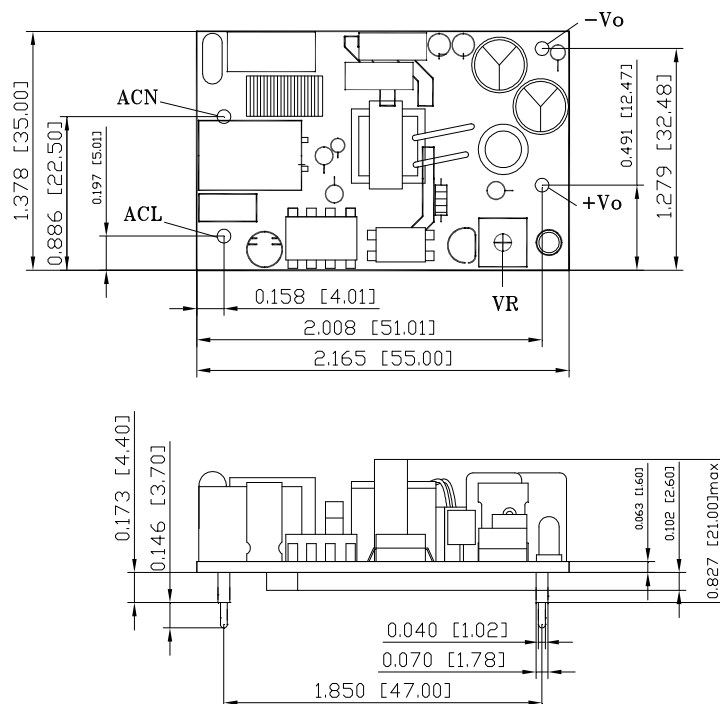


SAFETY AND EMC:

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 .



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

Mouser Electronics

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Cincon:

[CFM05S150](#) [CFM05S033](#) [CFM05S050](#) [CFM05S120](#) [CFM05S240](#) [CFM05S090](#) [CFM05S180](#) [CFM05S033-M](#)
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