



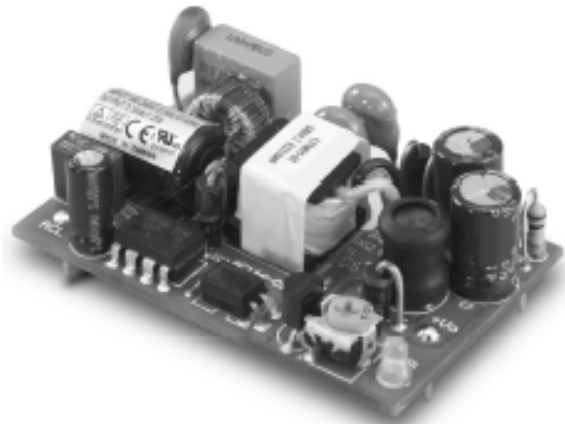
CFM05 SERIES

5 WATT OPEN FRAME AC-DC MODULES



Features

- * Universal Input Range 85~264VAC
- * Efficiency to 79%
- * Meets EN55032 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	±0.05%/°C

GENERAL SPECIFICATIONS:

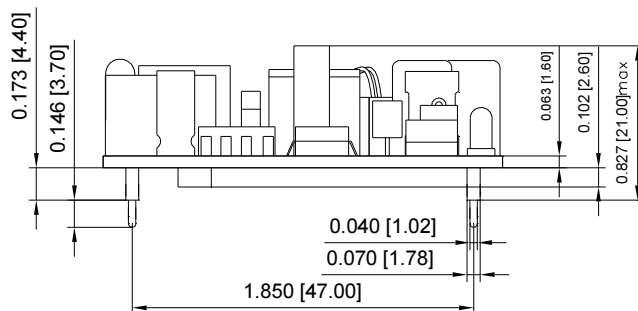
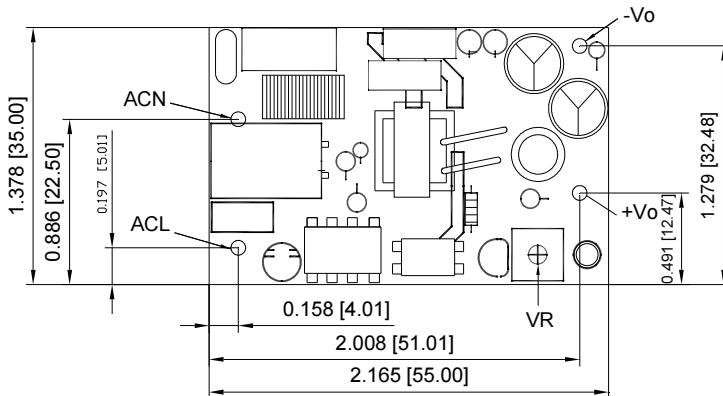
Isolation	Input to output = 4,242VDC
Operating Temperature	0°C ~ 85°C (see derating curve)
Storage Temperature	-20~85°C
Humidity	93% RH max. Non condensing
Cooling	Natural Convection
Switching Frequency	60KHz Typical
MTBF	MIL-HDBK-217F, GB, at 25°C/115VAC 200Khrs min.
Altitude	2000m
Dimensions	2.165x1.378x0.827inches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

CFM05 Series

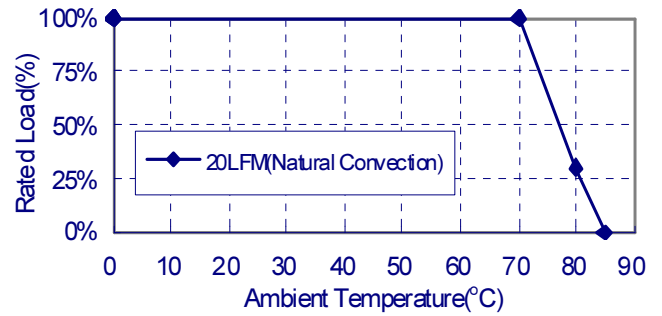
All Dimensions are in inches(mm)

Tolerance:Inches:X.XXX±0.02

Millimeters:X.XX±0.5



CFM05S Series Derating Curve



SAFETY AND EMC:

Emission and Immunity	EN55032 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.

Mouser Electronics

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Cincon:

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