CFM05 SERIES

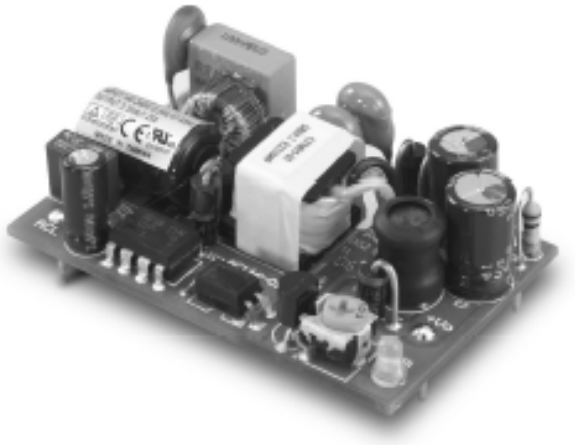
5 WATT OPEN FRAME AC-DC MODULES

E176177

BAUART GEPRÜFT TYPE APPROVED

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 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.

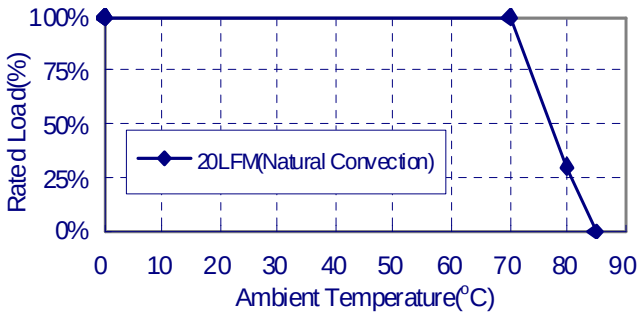
OUTPUT SPECIFICATIONS:

Holdup Time ..... 8mS typ. @115Vac
Short Circuit Protection ..... Continuous (Auto Recovery)
Over Voltage Protection ..... TVS Component to Clamp
Temperature Coefficient ..... ±0.05%/℃

GENERAL SPECIFICATIONS:

Isolation ..... Input to output = 4,242VDC
Operating Temperature ..... 0℃~ 85℃ (see derating curve)
Storage Temperature ..... -20~85℃
Humidity ..... 93% RH max. Non condensing
Cooling ..... Natural Convection
Switching Frequency ..... 60KHz Typical
MTBF ..... MIL-HDBK-217F, GB, at 25℃/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:

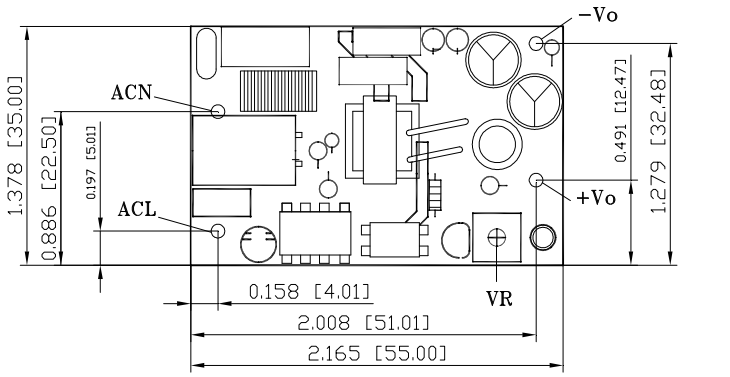
Emission and Immunity ..... EN55022 Class B, EN61000-6-3
EN61000-3-2, EN61000-3-3, EN55024
EN61204-3, EN61000-6-1
Safety IEC60950-1, EN60950-1, UL60950-1

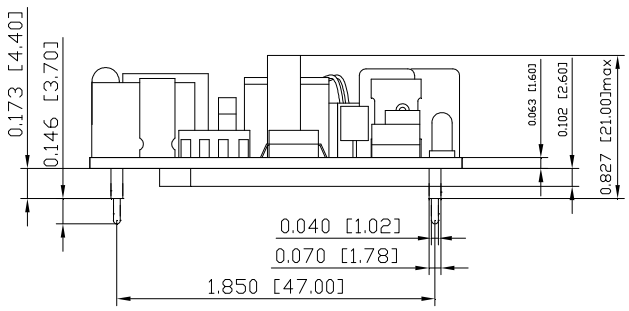
NOTE:

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℃ 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℃.

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