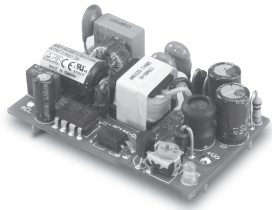


# CFM05

S E R I E S

## 5 WATT OPEN FRAME AC-DC MODULES



### Features

- Universal Input Range 85-264VAC
- Efficiency to 80%
- 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)	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	% EFF.
		MIN.	MAX.					
CFM05S033	3.3V	0A	1.25A	50mV	± 1%	± 0.5%	± 1%	70% Typ.
CFM05S050	5.0V	0A	1.0A	50mV	± 1%	± 0.5%	± 1%	73% Typ.
CFM05S120	12.0V	0A	0.42A	120mV	± 1%	± 0.5%	± 1%	79% Typ.
CFM05S150	15.0V	0A	0.33A	150mV	± 1%	± 0.5%	± 1%	79% Typ.
CFM05S240	24.0V	0A	0.23A	240mV	± 1%	± 0.5%	± 1%	80% Typ.
CFM05S090	9.0V	0A	0.55A	90mV	± 1%	± 0.5%	± 1%	78% Typ.
CFM05S180	18.0V	0A	0.28A	180mV	± 1%	± 0.5%	± 1%	79% Typ.

### Specifications

#### INPUT SPECIFICATIONS:

Voltage ..... 85 ~ 264Vac  
 Frequency ..... 47 to 63Hz  
 Inrush Current ..... 40A max. @240Vac  
 Conducted EMI ..... CISPR/FCC Class B  
 Isolation ..... Input to output ~4.24kVDC  
 Leakage Current ..... 0.25mA max

#### OUTPUT SPECIFICATIONS:

Holdup Time ..... 8ms typ. @ 115Vac  
 Short Circuit Protection ..... Continuous  
 Temperature Coefficient ..... ±0.05% / °C

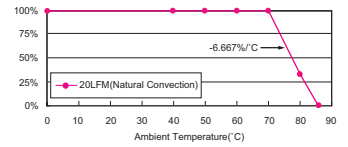
#### ENVIRONMENTAL CHARACTERISTICS:

Operating Temperature ..... 0 ~ 70°C  
 Storage Temperature ..... -20 ~ 85°C  
 Cooling ..... Natural Convection

#### MECHANICAL CHARACTERISTICS:

Dimensions ..... 55.00 x 35.00 x 21.00mm (2.165 x 0.827 x 0.827 inches)  
 Weight ..... 35g (0.08 Pounds)

### CFM05 Series Derating Curve

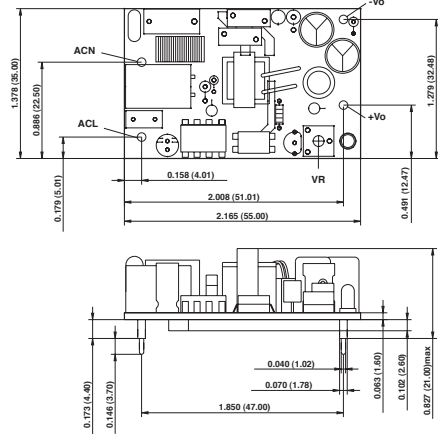


#### NOTE:

1. Add a 0.1µF ceramic capacitor and a 10µF E.L. capacitor to output for Ripple & Noise measuring @20kHz BW.
2. Line regulation is measured from 100vac to 240Vac with full load.
3. Load regulation is measured from 10% to 100% full load

### CFM05 Series

All Dimensions in Inches(mm)  
 Tolerance: Inches: x.xxx; mm: ±0.02  
 Millimeters: xx±0.5



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