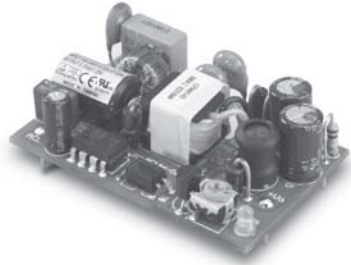


# CFM05

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 =4,242VDC  
 Leakage Current.....0.25mA max

#### OUTPUT SPECIFICATIONS:

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

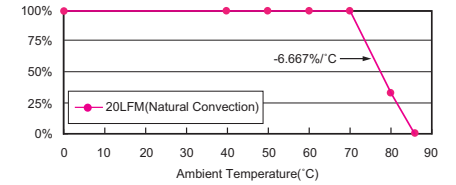
#### ENVIRONMENTAL CHARACTERISTICS:

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 1.378 x 0.827Inches)  
 Weight .....35g (0.08 Pounds)

### CFM05 Series Derating Curve

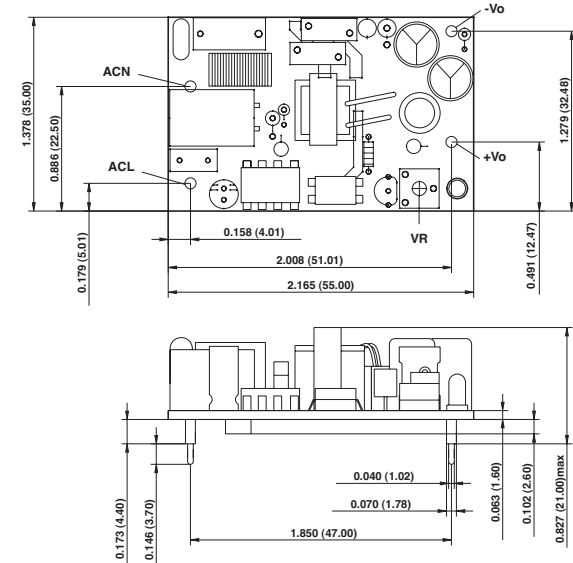


#### NOTE:

1. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measuring @20MHz 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:xxx=±0.02  
 Millimeters:xxx=±0.5



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