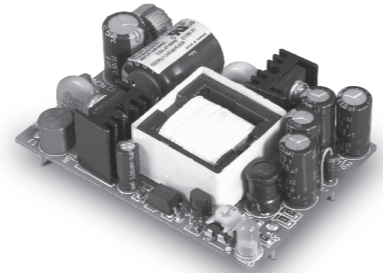
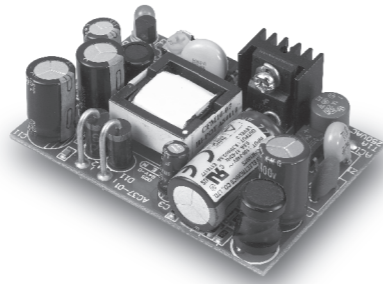


# CFM10/15

S E R I E S

## 10/15 WATT OPEN FRAME AC-DC MODULES



### Features

- Universal Input Range 85-264VAC
- Efficiency to 82%
- Meets EN55022 Class B
- Continuous Short Circuit Protection
- Leakage Current 0.25mA Max.
- PCB Mountable

### CFM10 Series

MODEL	OUTPUT VOLTAGE	MAX. LOAD	MIN. LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	%EFF
CFM1001S	5 V	2000mA	0A	1%	± 1%	± 0.5%	± 1%	73% Typ.
CFM1002S	12 V	840mA	0A	1%	± 1%	± 0.5%	± 1%	76% Typ.
CFM1003S	15 V	670mA	0A	1%	± 1%	± 0.5%	± 1%	76% Typ.
CFM1005S	24 V	420mA	0A	1%	± 1%	± 0.5%	± 1%	77% Typ.
CFM1007S	3.3 V	2500mA	0A	50mV	± 1%	± 0.5%	± 1%	67% Typ.
CFM1009S	9 V	1120mA	0A	1%	± 1%	± 0.5%	± 1%	73% Typ.

### CFM15 Series

MODEL	OUTPUT VOLTAGE	MAX. LOAD	MIN. LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	%EFF
CFM1501S	5 V	3000mA	0A	1%	± 1%	± 0.5%	± 1%	74% Typ.
CFM1502S	12 V	1250mA	0A	1%	± 1%	± 0.5%	± 1%	80% Typ.
CFM1503S	15 V	1000mA	0A	1%	± 1%	± 0.5%	± 1%	81% Typ.
CFM1505S	24 V	630mA	0A	1%	± 1%	± 0.5%	± 1%	83% Typ.
CFM1507S	3.3 V	3000mA	0A	50mV	± 1%	± 0.5%	± 1%	69% Typ.
CFM1509S	9 V	1670mA	0A	1%	± 1%	± 0.5%	± 1%	76% Typ.

### Specifications

#### INPUT SPECIFICATIONS:

Voltage .....85 ~ 264Vac  
 Frequency .....47 to 63Hz  
 Inrush Current.....20A max. @ 115Vac  
 40A max. @ 230Vac  
 Conducted EMI.....CISPR/FCC Class B  
 Isolation .....Input to output =4,242VDC  
 Leakage Current.....0.25mA max

#### OUTPUT SPECIFICATIONS:

Holdup Time .....16mS typ. @115Vac  
 Short Circuit Protection .....Continuous  
 Temperature Coefficient .....0.05% / °C

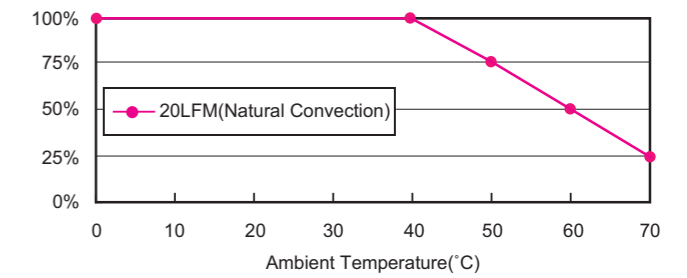
#### ENVIRONMENTAL CHARACTERISTICS:

Operating Temperature .....0 ~ 40°C  
 Storage Temperature .....-20 ~ 85°C  
 Cooling .....Natural Convection

#### MECHANICAL CHARACTERISTICS:

Dimensions .....CFM10: 65.00 x 45.00 x 23.00mm(2.559 x 1.772 x 0.906 Inches)  
 CFM15: 69.90 x 48.00 x 23.00mm(2.752 x 1.890 x 0.906 Inches)  
 Weight .....CFM10: 60g (0.13 Pounds)  
 CFM15: 80g (0.18 Pounds)

### CFM10/15 Series Derating Curve

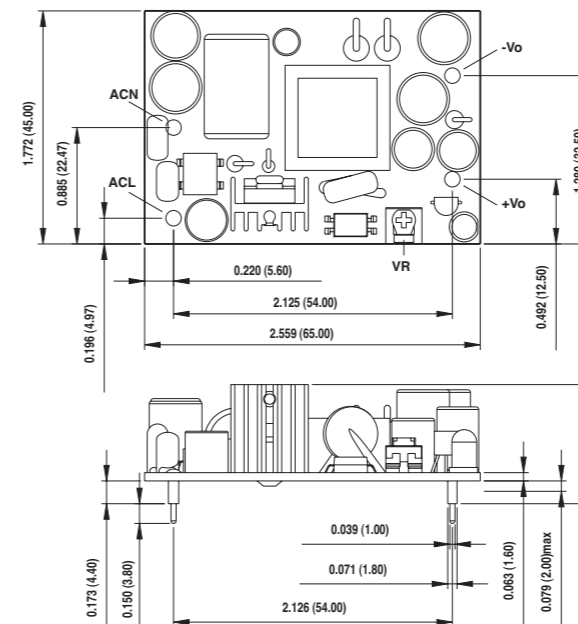


#### NOTE:

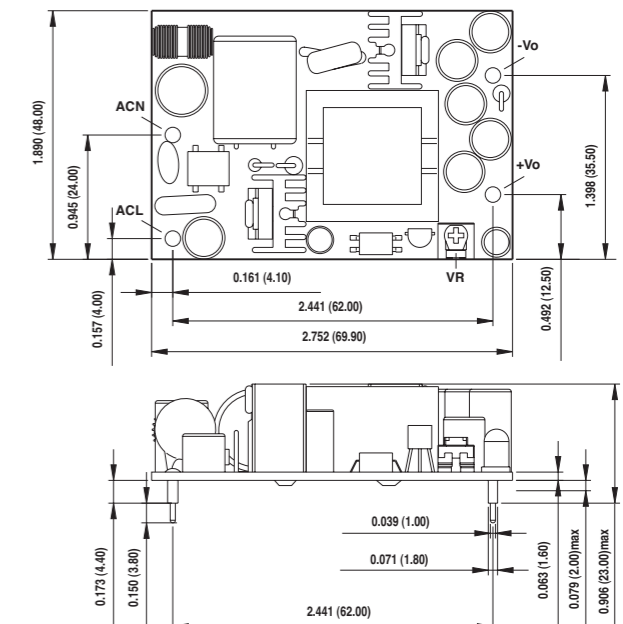
1. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
2. Line regulation is measured from high line to low line with full load.
3. Load regulation is measured from full to 10% load

### CFM10 Series

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



### CFM15 Series



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