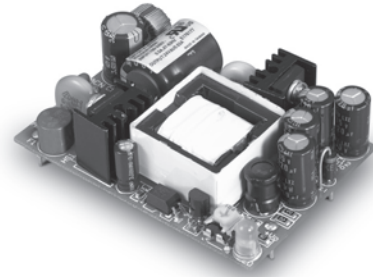
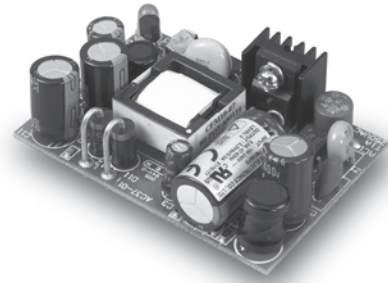


CFM10/15

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, CISPR/FCC 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%	72% 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
 Input Current 100Vac/0.5A max., 240Vac/0.25A max.
 Inrush Current 20A max. @115Vac
 Leakage Current 40A max. @230Vac
 0.25mA max.

OUTPUT SPECIFICATIONS:

Holdup Time 16ms typ. @115Vac
 Short Circuit Protection Hiccup Mode (Auto Recovery)
 Over Voltage Protection TVS Component to Clamp
 Temperature Coefficient 0.05%/°C

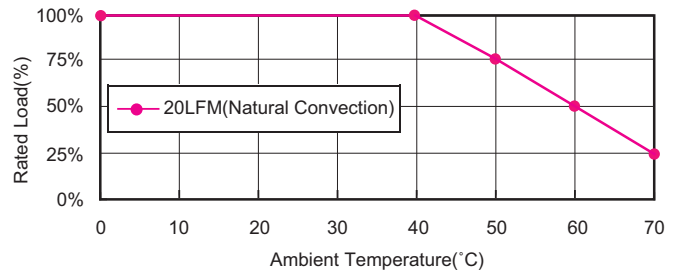
GENERAL SPECIFICATIONS:

Isolation Input to output = 4,242VDC
 Operating Temperature 0°C~ 70°C (see derating curve)
 Storage Temperature -20~85°C
 Humidity 93% RH max. Non condensing
 Cooling Natural Convection
 Switching Frequency CFM10: 100KHz Typical
 CFM15: 67KHz Typical
 MTBF MIL-HDBK-217F, GB, at 25°C/115VAC 200K hrs min.
 Altitude 2000m
 Dimensions CFM10: 2.599x1.772x0.906Inches (65.00x45.00x23.00mm)
 CFM15: 2.752x1.890x0.906Inches (69.90x48.00x23.00mm)
 Weight CFM10: 60g (0.13Pounds)
 CFM15: 80g (0.18Pounds)

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, UL60950-1

CFM10/15 Series Derating Curve



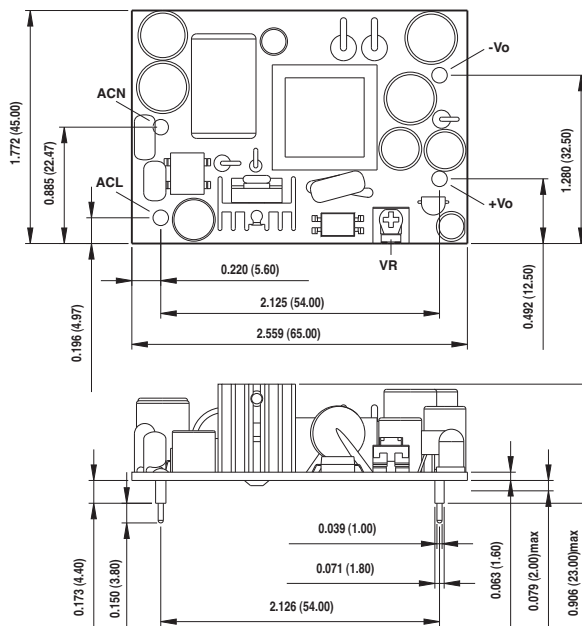
NOTE:

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

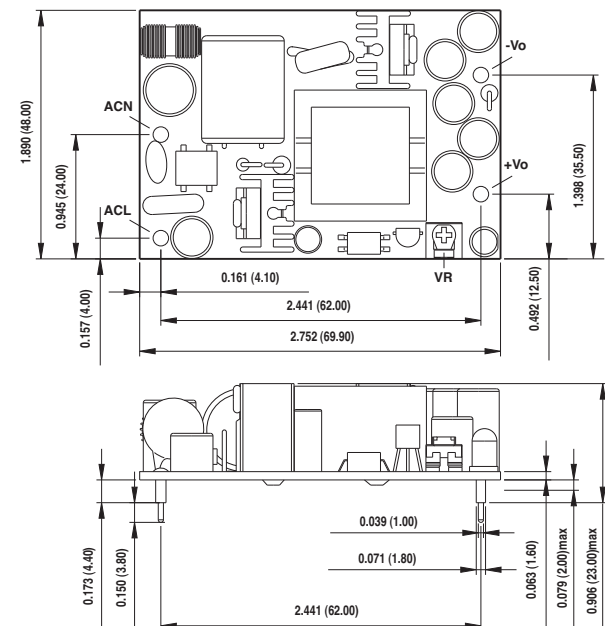
CFM10/15

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