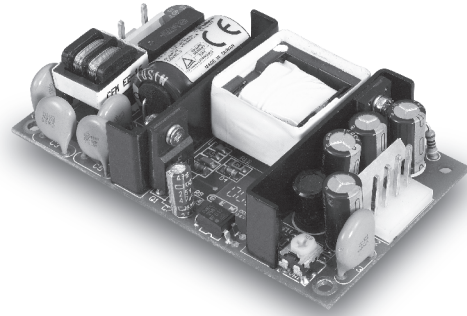


CFM20

S E R I E S

20 WATT OPEN FRAME AC-DC MODULES



Features

- Universal Input Range
85~264VAC
- Efficiency to 81%
- Industry Standard Pin Out
- Meets EN55022 Class B
- Continuous Short Circuit Protection
- PCB Mountable Type is available

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE NOTE 1	VOLTAGE ACCURACY NOTE 2	LINE REGULATION NOTE 3	LOAD REGULATION NOTE 4	%EFF. (TYP.) NOTE 5
CFM2001S	5 V	4400 mA	1%	± 1%	± 0.5%	± 1%	72%
CFM2002S	12 V	1800 mA	1%	± 1%	± 0.5%	± 1%	79%
CFM2003S	15 V	1400 mA	1%	± 1%	± 0.5%	± 1%	80%
CFM2005S	24 V	920 mA	1%	± 1%	± 0.5%	± 1%	81%
CFM2007S	3.3 V	4400 mA	50 mV	± 1%	± 0.5%	± 1%	66%
CFM2009S	9 V	2450 mA	1%	± 1%	± 0.5%	± 1%	76%

Specifications

INPUT SPECIFICATIONS:

Voltage 85~264Vac
 Frequency 47 to 63Hz
 Inrush Current..... 40A max. @230Vac
 Conducted EMI..... CISPR/FCC Class B
 Leakage Current..... 3.5mA max

OUTPUT SPECIFICATIONS:

Holdup Time 16ms typ. @115Vac
 Short Circuit ProtectionHiccup Model (Auto Recovery)
 Over Voltage Protection TVS Component to Clamp
 Temperature Coefficient $\pm 0.05\%/^{\circ}\text{C}$

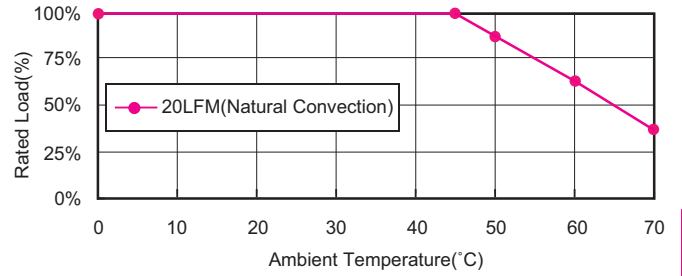
GENERAL SPECIFICATIONS:

Isolation Input to output = 4,242VDC
 Operating Temperature 0~70°C (see Derating Curve)
 Storage Temperature -20~85°C
 Humidity 93% RH max. Non condensing
 Cooling Natural Convection
 Switching Frequency 67KHz Typical
 MTBF MIL-HDBK-217F, GB, 25°C/115VAC 300K hrs min.
 Altitude 2000m
 Dimensions 3.501x2.000x0.906 inches (88.92x50.80x23.00 mm)
 (CFM200XS-P) 3.501x2.000x1.000 inches (88.92x50.80x25.40 mm)
 Weight 100g (0.22 Pounds)

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

CFM20 Series Derating Curve

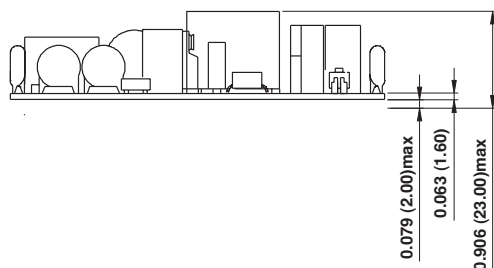
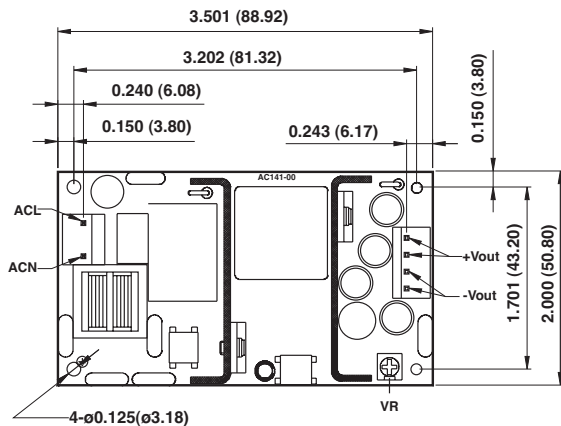


NOTE:

1. Add a 0.1µF ceramic capacitor and a 10µF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
2. Voltage accuracy is set at 100% rated load 25°C Ta.
3. Line regulation is measured from High Line to Low Line with Full Load.
4. Load Regulation is measured from Full to 10% Load.
5. Typical efficiency at 230VAC and full load at 25°C.
6. Standard input and output connectors wafer with LOAD CHU P3060 series and mate MOLEX housing 5195 series or equivalent.
8. Model "CFM200XS-P": Connectors with PCB Mountable Type.

CFM20 Series

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



CFM20XS-P Series

