AC-DC Converters

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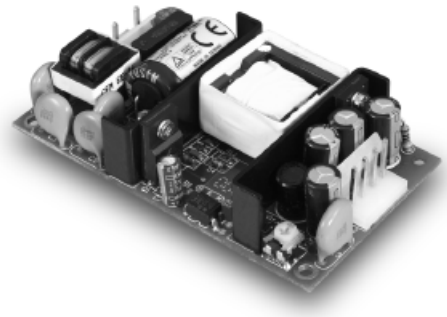
CFM20 Series
20 Watt Open Frame



Features

- Universal Input 85-264 Vac
- Conductive EMI Meets CISPR/FCC Class B
- High Efficency at 82% Typical

Electrical Specification

INPUT	
Input voltage	85 - 264 VAC
Input frequency	47 to 63 Hz
Inrush Current	40A Max. @ 230Vac
Conducted EMI	CISPR/FCC Class B
Isolation	Input to output = 4,242Vdc
Leakage Current	3.5mA max.
OUTPUT	
Hold-up Time	16mS typ. @115Vac
Short Circuit Protection	Continuous
Temperature Coefficient	±0.05°C
ENVIRONMENTAL	
Operating Temperature	0 ~ 45°C
Storage Temperature	-20 ~ 85°C
Cooling	Free Air Convection
MECHANICAL	
Dimensions	88.9 x 50.8 x 20.32 mm
	88.9 x 50.8 x 25.4 mm (CFM200XS-P)

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

Powersolve Electronics Ltd. Units 8A, Arnhem Road, Newbury, RG14 5RU. England
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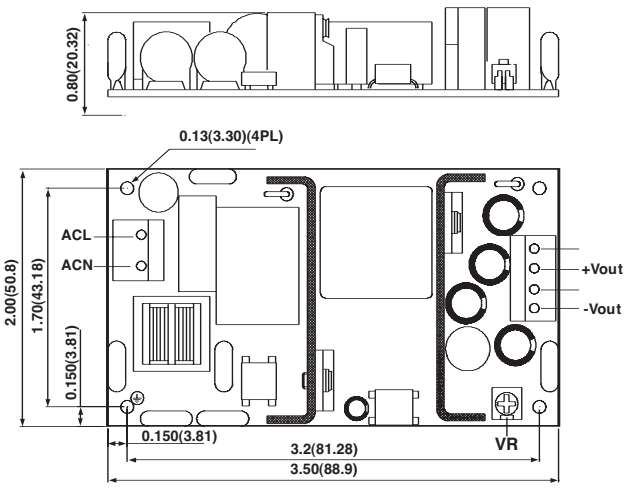
MODEL	OUTPUT VOLTAGE	MAX LOAD	MIN LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	EFF %
CFM2001S	5V	4400mA	0A	1%	±1%	±0.5%	±1%	73
CFM2002S	12V	1800mA	0A	1%	±1%	±0.5%	±1%	80
CFM2003S	15V	1400mA	0A	1%	±1%	±0.5%	±1%	80
CFM2005S	24V	920mA	0A	1%	±1%	±0.5%	±1%	82
CFM2007S	3.3V	4400mA	0A	50mV	±1%	±0.5%	±1%	70
CFM2009S	9V	2450mA	0A	1%	±1%	±0.5%	±1%	77

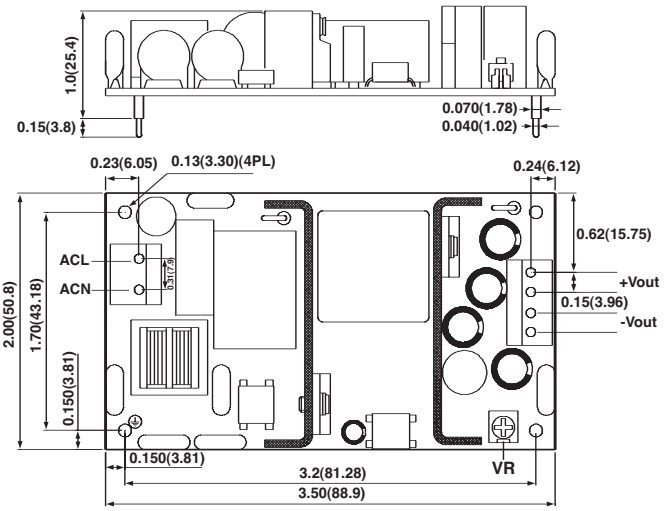
Note:

1. Add a 0.1F ceramic capacitor and a 10F 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.
4. Input Connector Mates with Molex Housing 09-50-3031 and Molex 2878 Series Crimp Terminal.
5. Output Connector Mates with Molex Housing 09-50-3041 and Molex 2878 Series Crimp Terminal.
6. Model "CFM200XS-P": Connectors with PCB Mountable Type.

CFM20 Watt Series



CFM200XS-P Watt Series



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