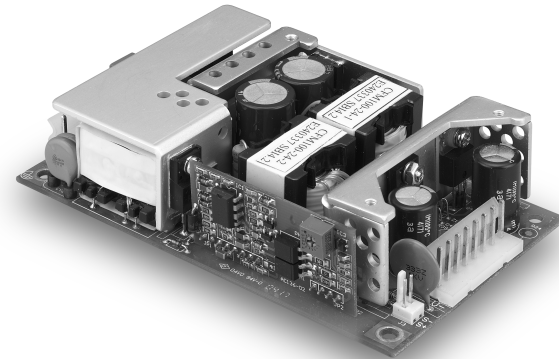


S E R I E S

CFM100

100 WATT OPEN FRAME AC-DC MODULES WITH PFC



Features

- Universal Input : 90 ~ 264Vac
- Conductive EMI Meets CISPR/FCC Class B
- High Efficiency at 85% Typical

Specifications

INPUT CHARACTERISTICS:

Voltage90 ~ 264Vac
 Frequency47 to 63Hz
 Inrush Current 50A Max. @ 264Vac
 Conducted EMICISPR/FCC Class B
 Isolation Input to output =4,242Vdc
 Leakage Current.....3.5mA max.

ENVIRONMENTAL CHARACTERISTICS:

Operating Temperature 0 ~ 40°C
 Storage Temperature -20 ~ 85°C

OUTPUT CHARACTERISTICS:

Holdup Time20mS typ. @ 115Vac
 Short Circuit Protection Continuous
 Over Voltage Protection Auto Recovery

MECHANICAL OUTLINE:

Dimensions5.00x3.00x1.34 Inches (127 x 76.2 x 34 mm)
 Weight385g

MODEL	OUTPUT VOLTAGE	MAX. LOAD	MIN. LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION
CFM100S050	5 V	20 A	0A	2%	± 1%	± 0.5%	± 1%
CFM100S090	9 V	11.2 A	0A	1%	± 1%	± 0.5%	± 1%
CFM100S120	12 V	8.4 A	0A	1%	± 1%	± 0.5%	± 1%
CFM100S150	15 V	6.7 A	0A	1%	± 1%	± 0.5%	± 1%
CFM100S180	18 V	5.6 A	0A	1%	± 1%	± 0.5%	± 1%
CFM100S240	24 V	4.2 A	0A	1%	± 1%	± 0.5%	± 1%
CFM100S480	48 V	2.1 A	0A	1%	± 1%	± 0.5%	± 1%

NOTE:

1. CFM 100S05/090/120: Add a 0.1μF ceramic capacitor and 220μF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
 Other Model: Add a 0.1μF ceramic capacitor and a 10μF 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. Dimensions tolerance : +/- 1mm
5. Connectors: AC input : Molex 5277 or equivalent
 DC output : Molex 5273 or equivalent
6. DC output pin 1,2,3,4 : Vout (+)
 DC output pin 5,6,7,8 : Vout (-)

Mechanical Specification

All Dimensions are In Inches(mm)
 Tolerances: .xx±.02(.xx±.5) unless otherwise noted

