

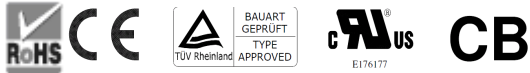


CFM200S SERIES

200 WATT SINGLE OUTPUT

U FRAME AC-DC

MODULES WITH PFC



Features

- * 1.5" Low Profile, 4"X6" Footprint
- * Universal Input: 90-264Vac
- * Active PFC Meets EN61000-3-2
- * Meets CISPR/FCC Class B
- * High Efficiency at 80% Typical
- * Remote Voltage Sense
- * PS ON/OFF Remote Control (Inhibit PSU by adding Logic High)
- * Active Current Sharing
- * AC OK Signal
- * DC OK Signal

Ordering information

CFM200S-XXX	-	XXX
Model No.		Cover & Fan
		001:Without Top Cover & Fan
		002:With Top Cover & Fan



MODEL	OUTPUT VOLTAGE	MAX. LOAD	MIN. LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION
CFM200S-033	+3.3V	40.0A	0	1%	±1%	±1%	±1%
CFM200S-050	+5.0V	40.0A	0	1%	±1%	±1%	±1%
CFM200S-090	+9.0V	22.2A	0	1%	±1%	±1%	±1%
CFM200S-120	+12V	16.7A	0	1%	±1%	±1%	±1%
CFM200S-150	+15V	13.4A	0	1%	±1%	±1%	±1%
CFM200S-180	+18V	11.2A	0	1%	±1%	±1%	±1%
CFM200S-240	+24V	8.4A	0	1%	±1%	±1%	±1%
CFM200S-280	+28V	7.2A	0	1%	±1%	±1%	±1%
CFM200S-300	+30V	6.7A	0	1%	±1%	±1%	±1%
CFM200S-360	+36V	5.6A	0	1%	±1%	±1%	±1%
CFM200S-480	+48V	4.2A	0	1%	±1%	±1%	±1%

Specifications

INPUT SPECIFICATIONS:

AC Input Voltage 90~264Vac
 Frequency 47 to 63Hz
 Inrush Current 120A max. @ 240VAC
 Conducted EMI CISPR/FCC Class B
 Isolation Input to output = 4242VDC
 Leakage Current 3.5mA max.

OUTPUT SPECIFICATIONS:

Total Rated Output Power 200W (with 30CFM air flow or optional fan)
 Current Share (Parallel Operation) Single wire current sharing (CSW)
 Remote Voltage Sense Compensates for wire voltage drop
 Hold-up Time 16ms typ.
 Short Circuit Protection Continuous
 Over Voltage Protection YES

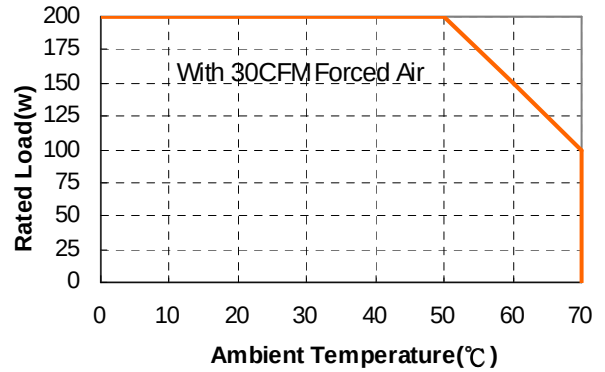
ENVIRONMENTAL CHARACTERISTICS:

Operating Temperature 0 ~ 70°C
 50~70°C with 2.5%/°C Derating
 PSU will be in thermal protection for exceeding the rated power output
 or the operating temperature
 Storage Temperature -20~85°C

MECHANICAL CHARACTERISTICS:

Standard U Frame 5.91x3.94x1.50 Inches (150.0x100.0x38.1mm)
 With Optional Fan 5.91x4.00x2.30 Inches (150.0x101.6x58.5mm)
 Weight 700g (800g with top Cover and Fan)

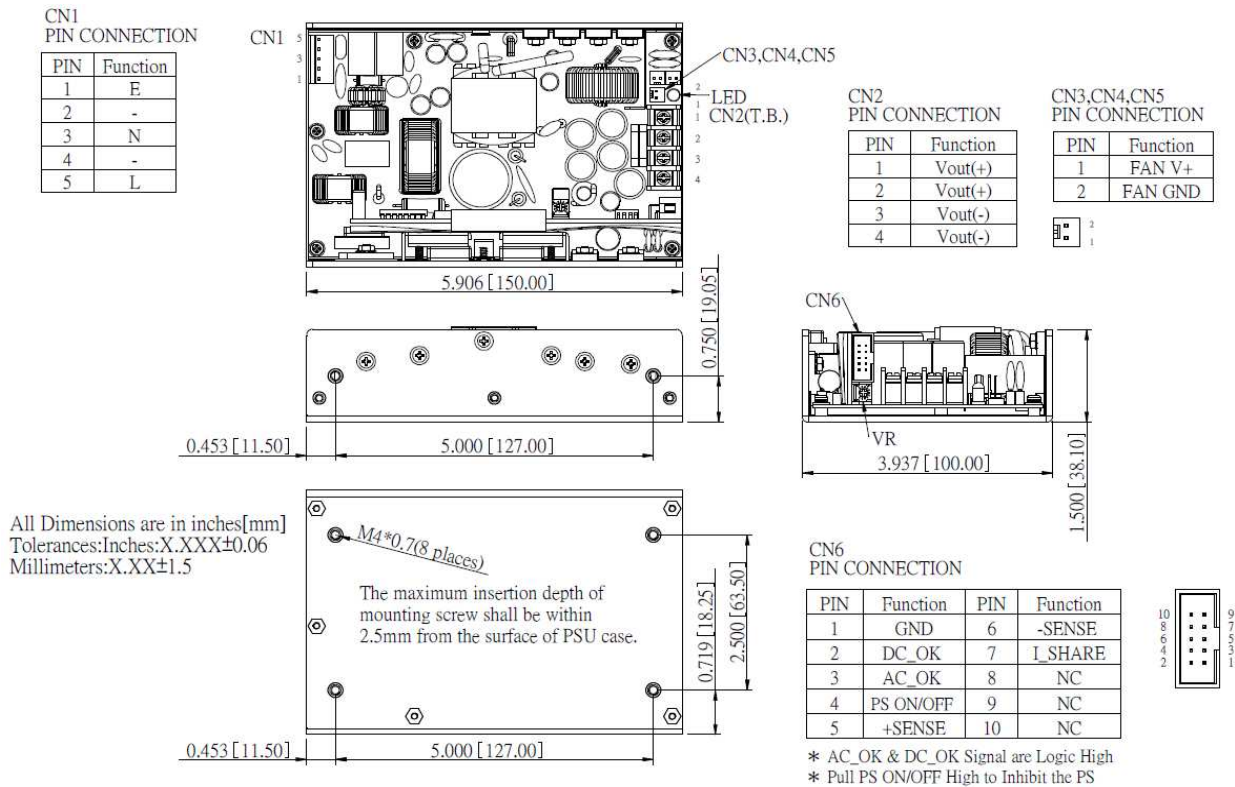
CFM200S Series Derating Curve



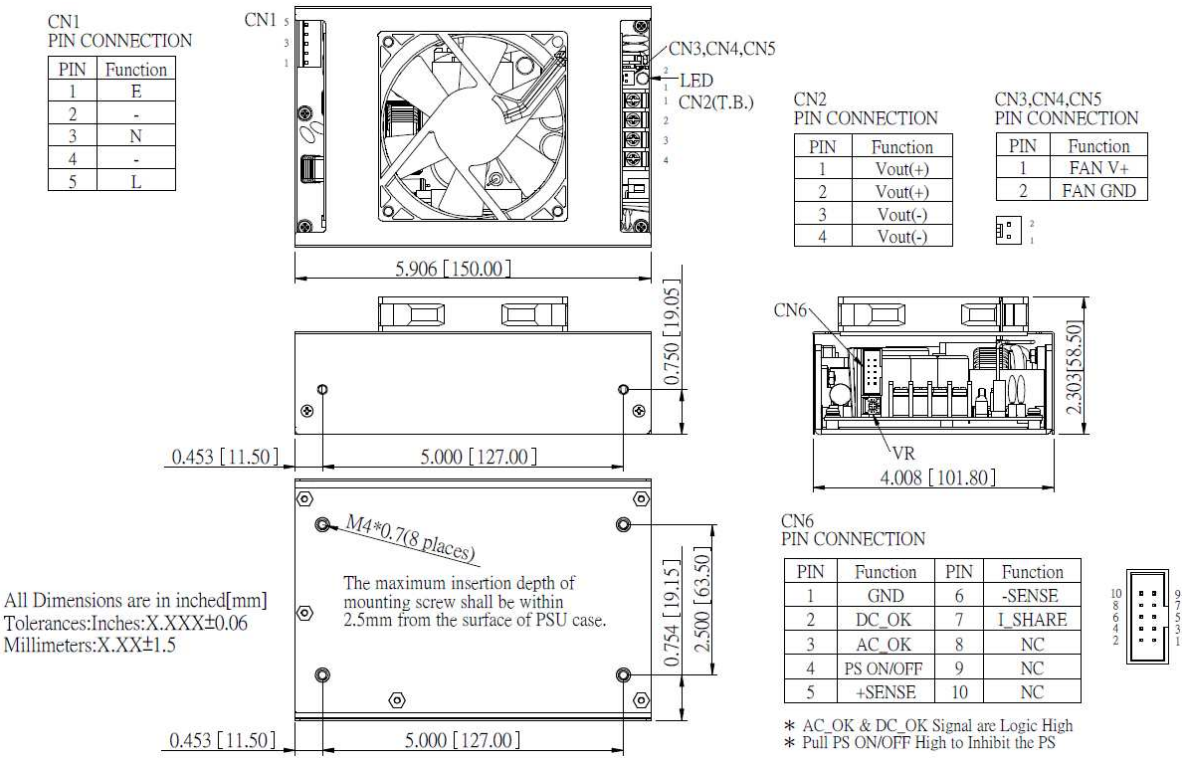
NOTE:

- Optional function can be added when ordering:
 Top Cover with Fan (when forced air is needed)
- Add a 0.1uF ceramic capacitor and a 47uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
- Voltage accuracy is set at 60% rated load and 25°C Ta.
- Line regulation is measured from High Line to Low Line with rated load.
- Load regulation is measured at 60%±40% rated load.
- Dimensions tolerance : +/- 1.5mm.
- Connectors:
 CN1(AC Input) : Molex 5273-05A or equivalent
 CN2(DC Output) : Molex 38700-7504 or equivalent
 CN6(Signals) : Molex 70247-10 or equivalent
 CN3,CN4,CN5(FAN) : Molex 5045-02A or equivalent

Mechanical Specification



Mechanical Specification



Typical at 25 °C, nominal line and 60% rated load, unless otherwise Specified

Mouser Electronics

Authorized Distributor

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Cincon:

[CFM200S-360-001](#) [CFM200S-280-001](#) [CFM200S-180-001](#) [CFM-200S-240-002](#) [CFM-200S-180-002](#) [CFM-200S-360-002](#) [CFM-200S-090-002](#) [CFM-200S-150-002](#) [CFM-200S-033-002](#) [CFM-200S-050-002](#) [CFM-200S-280-002](#) [CFM-200S-300-002](#) [CFM-200S-480-002](#) [CFM-200S-120-002](#) [CFM200S-090-001](#)