

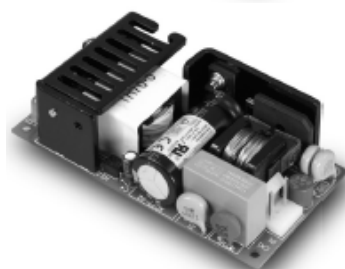
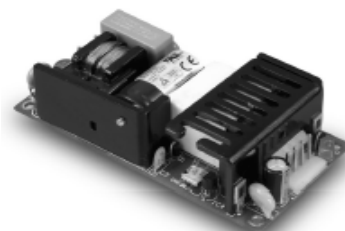


CFM40/60 SERIES

40/60 WATT OPEN FRAME AC-DC MODULES

Features

- * Universal Input Range 90~264VAC
- * 2"x 4" Size
- * Industry Standard Pin Out
- * Efficiency to 87%
- * Meets EN55022 Class B and CISPR/FCC Class B,
- * Continuous Short Circuit Protection



CFM40 Series

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	% EFF. (Typ.)
CFM40S033	3.3V	6A	50mV	±1%	±0.5%	±1%	70%
CFM40S050	5V	6A	1%	±1%	±0.5%	±1%	76%
CFM40S090	9V	4.45A	1%	±1%	±0.5%	±1%	84%
CFM40S120	12V	3.34A	1%	±1%	±0.5%	±1%	85%
CFM40S150	15V	2.67A	1%	±1%	±0.5%	±1%	85%
CFM40S240	24V	1.67A	1%	±1%	±0.5%	±1%	85%
CFM40S300	30V	1.33A	1%	±1%	±0.5%	±1%	86%
CFM40S360	36V	1.11A	1%	±1%	±0.5%	±1%	87%
CFM40S480	48V	0.834A	1%	±1%	±0.5%	±1%	87%

CFM60 Series

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	% EFF. (Typ.)
CFM60S033	3.3V	8A	50mV	±1%	±0.5%	±1%	72%
CFM60S050	5V	8A	1%	±1%	±0.5%	±1%	77%
CFM60S090	9V	6.67A	1%	±1%	±0.5%	±1%	84%
CFM60S120	12V	5A	1%	±1%	±0.5%	±1%	85%
CFM60S150	15V	4A	1%	±1%	±0.5%	±1%	86%
CFM60S240	24V	2.5A	1%	±1%	±0.5%	±1%	86%
CFM60S300	30V	2A	1%	±1%	±0.5%	±1%	86%
CFM60S360	36V	1.67A	1%	±1%	±0.5%	±1%	88%
CFM60S480	48V	1.25A	1%	±1%	±0.5%	±1%	88%

Voltage	90~264Vac
Frequency	47 to 63Hz
Inrush Current	Cold Start@25°C 50A max. @240Vac
Leakage Current	1mA Typical

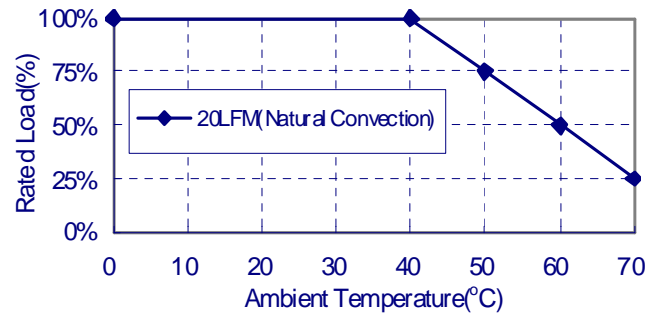
Holdup Time	8ms typ. @115Vac
Short Circuit Protection	Hiccup Mode (Auto Recover)
Over Voltage Protection	TVS Component to Clamp
Temperature Coefficient	±0.05%/°C

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	66KHz Typical
MTBF	MIL-HDBK-217F, GB, 25°C/115VAC ... 200K hrs min.
Altitude	2000m
Dimensions:	
CFM40/60 Open Frame	4.000x2.000x1.200Inches (101.60x50.80x30.48mm)
CFM40/60 Covered	4.606x2.441x1.575Inches (117.00x62.00x40.00mm)
Weight	CFM40/60: 170g/175g (0.38/0.39 Pounds)
	CFM40/60 Covered: 210g/215g (0.46/0.47 Pounds)

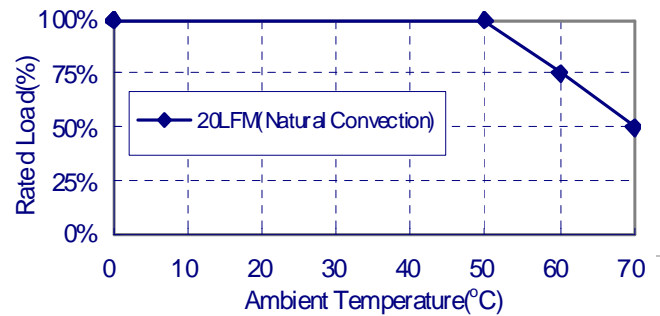
Emission and Immunity	EN55022 Class B, FCC Part 15 Class B EN61000-6-3, EN61000-3-2, EN61000-3-3 EN55024, EN61204-3, EN61000-6-1
Safety	IEC60950-1, EN60950-1, UL60950-1

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.
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. Safety approvals do not apply to the Covered versions, only to the Open-Frame versions.

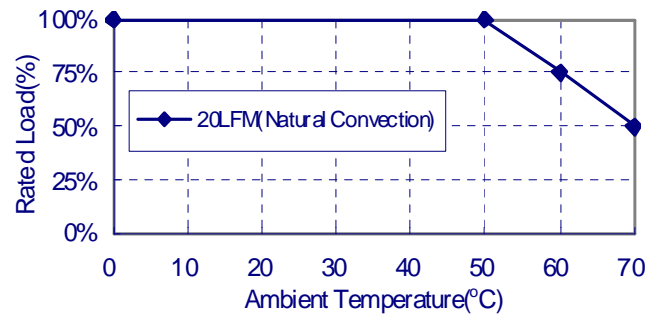
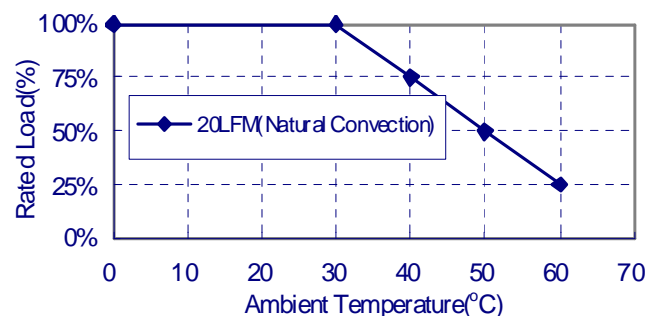
CFM40S050, 40S090, 60S033, 60S050, 60S090



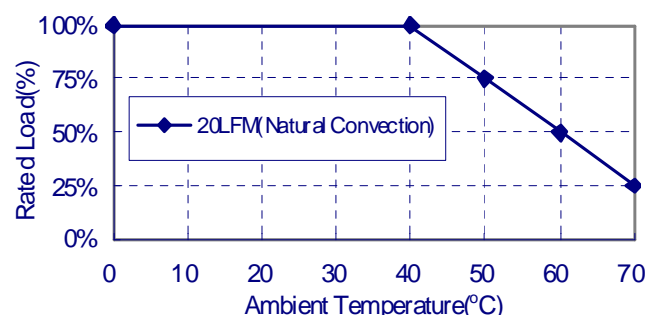
CFM40S120, 40S150, 40S240, 40S300, 40S360, 40S480
CFM60S120, 60S150, 60S240, 60S300, 60S360, 60S480



CFM40S120, 40S150, 40S240, 40S300, 40S360, 40S480

**CFM40S033, CFM40S050, CFM60S033, CFM60S050**

**CFM40S090, 60S090, 60S120, 60S150, 60S240, 60S300
CFM60S360, 60S480**



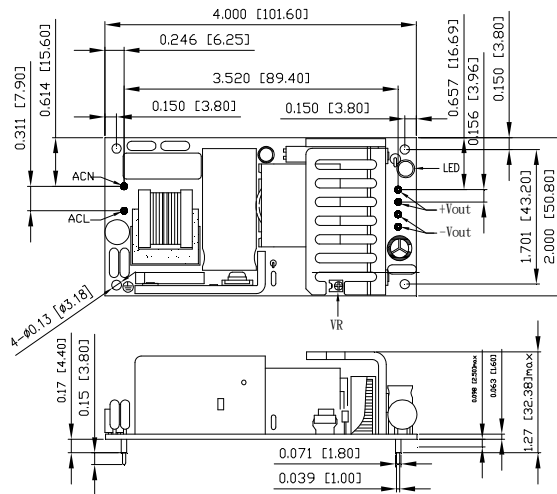
CFM40/60 Series

All Dimensions are in inches(mm)

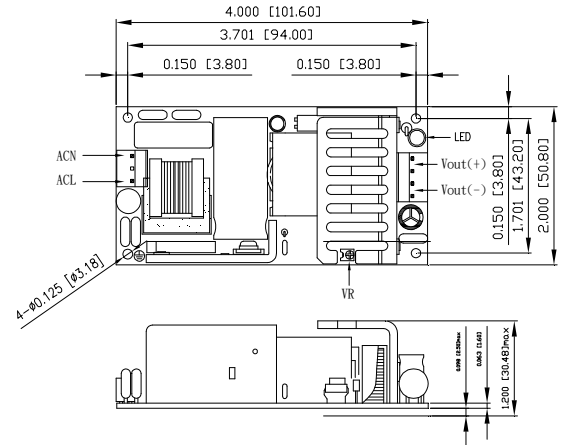
Tolerance: Inches: X.XXX±0.02

Millimeters: X.XX±0.5

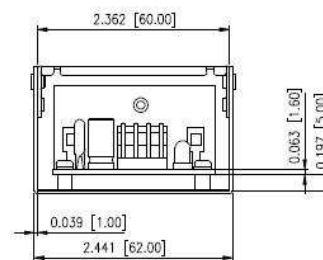
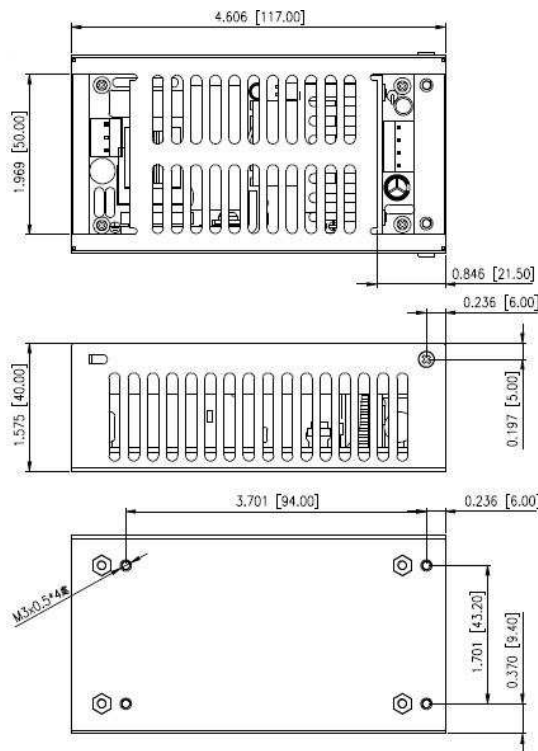
CFM40SXXX-P/CFM60SXXX-P
(Input and Output connector with PIN)



CFM40SXXX/CFM60SXXX



CFM40SXXX/CFM60SXXX-CA



Typical at 25°C, nominal line and 75% load, unless otherwise Specified

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Cincon:

[CFM40S033](#) [CFM40S050](#) [CFM40S090](#) [CFM40S120](#) [CFM40S150](#) [CFM40S240](#) [CFM40S300](#) [CFM40S360](#)
[CFM40S480](#) [CFM60S033](#) [CFM60S050](#) [CFM60S090](#) [CFM60S120](#) [CFM60S150](#) [CFM60S240](#) [CFM60S300](#)
[CFM60S360](#) [CFM60S480](#) [CFM40S120-P](#) [CFM60S180](#) [CFM60S050-CA](#) [CFM60S120-P](#)