



CFM40D/T SERIES

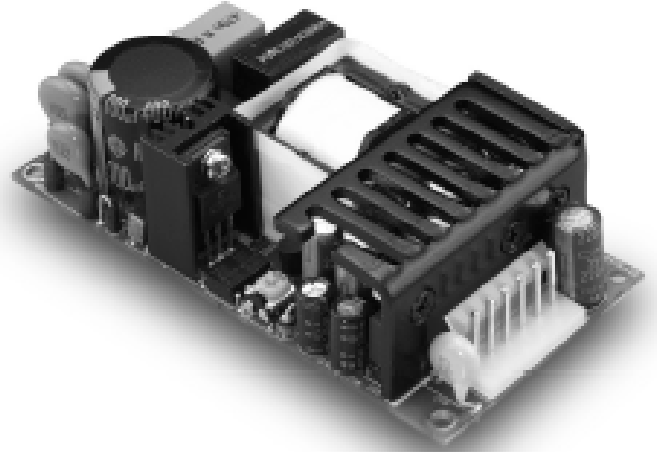
40W DUAL/TRIPLE OUTPUT

AC-DC OPEN FRAME



Features

- * Universal Input: 90~264Vac
- * 2" x 4" Size
- * Industry-Standard Pin Out
- * Efficiency to 81%
- * Meets EN61204-3 Class B and CISPR/FCC Class B
- * Short Circuit Protection



MODEL	Output Voltage	Output Current(A)			Ripple (mVp-p)	Voltage Accuracy	Line Reg.	Load Reg.	O/P Power Max.	(%) EFF. (Typ.)
		Min.	Rated	Max.						
CFM40D-01	5V(V1)	0.4	3.2	5.0	50	±3%	±1%	±3%	40.0W	80%
	12V(V2)	0.2	2.0	2.5	120	±4%	±2%	±5%		
CFM40D-02	5V(V1)	0.4	3.2	5.0	50	±3%	±1%	±3%	40.0W	81%
	24V(V2)	0.2	1.0	1.5	240	±4%	±2%	±5%		
CFM40T-01	5V(V1)	0.4	3.0	5.0	50	±3%	±1%	±3%	40.5W	78%
	12V(V2)	0.2	2.0	2.5	120	±4%	±2%	±5%		
	-5V(V3)	0	0.3	0.5	50	±3%	±1%	±1%		
CFM40T-02	5V(V1)	0.4	3.0	5.0	50	±3%	±1%	±3%	42.6W	78%
	12V(V2)	0.2	2.0	2.5	120	±4%	±2%	±5%		
	-12V(V3)	0	0.3	0.5	120	±3%	±1%	±1%		
CFM40T-03	5V(V1)	0.4	3.0	5.0	50	±3%	±1%	±3%	42.0W	78%
	15V(V2)	0.2	1.5	2.3	150	±4%	±2%	±5%		
	-15V(V3)	0	0.3	0.5	150	±3%	±1%	±1%		
CFM40T-04	5V(V1)	0.4	3.0	5.0	50	±3%	±1%	±3%	42.6W	78%
	24V(V2)	0.2	1.0	1.5	240	±4%	±2%	±5%		
	-12V(V3)	0	0.3	0.5	120	±3%	±1%	±1%		
CFM40T-05	5V(V1)	0.4	3.0	5.0	50	±3%	±1%	±3%	40.5W	78%
	24V(V2)	0.2	1.0	1.5	240	±4%	±2%	±5%		
	-5V(V3)	0	0.3	0.5	50	±3%	±1%	±1%		
CFM40T-06	5V(V1)	0.4	3.0	5.0	50	±3%	±1%	±3%	42.6W	78%
	24V(V2)	0.2	1.0	1.5	240	±4%	±2%	±5%		
	12V(V3)	0	0.3	0.5	120	±3%	±1%	±1%		
CFM40T-07	3.3V(V1)	0.4	5.0	7.0	100	±3%	±1%	±3%	30.0W	71%
	5V(V2)	0.2	2.0	3.5	100	±4%	±3%	±5%		
	-12V(V3)	0	0.3	0.5	120	±3%	±1%	±1%		

Voltage	90~264Vac
Frequency	47 to 63Hz
Inrush Current	60A max. @240Vac
Input Current Cold Start@25°C	1A max. (RMS) @115Vac
Leakage Current	3.5mA max.

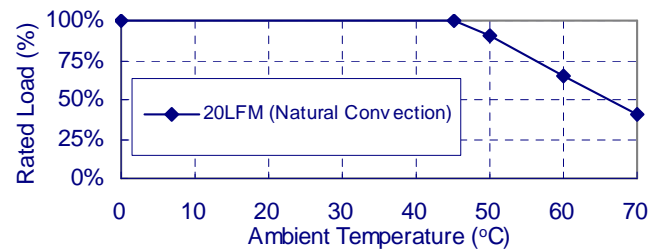
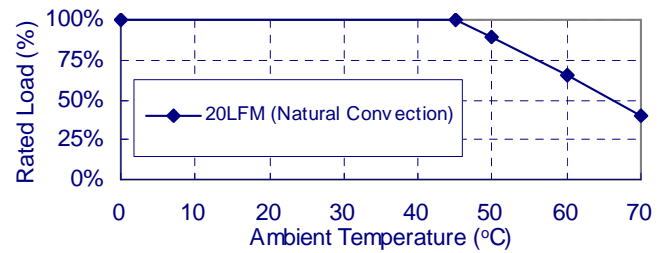
Rated Power for Convection Cooling	40W (CFM40T-07, 30W)
Maximum Power with 30 CFM Forced Air	50W (CFM40T-07, 40W)
Holdup Time	20ms typ. @115Vac
Short Circuit	Hiccup Mode (Auto Recover)
Over Voltage Protection CFM40D/T	6V on V1(5V) 16V/20V/30V on V2(12V/15V/24V)
Over Voltage Protection CFM40T-07	6V on V1 (3.3V), 9V on V2 (5V)
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	62.5KHz Typical
MTBF	MIL-HDBK-217F, GB, 25°C/115VAC 200K hrs min.
Altitude	2000m
Dimensions	
Open Frame versions	4.000x2.000x1.063Inches(101.60x50.80x27.00mm)
Covered versions	4.606x2.480x1.850inches(117.00x63.00x47.00mm)
Weight	Open Frame versions ... 180g (0.40 Pounds)
	Covered versions 220g (0.49 Pounds)

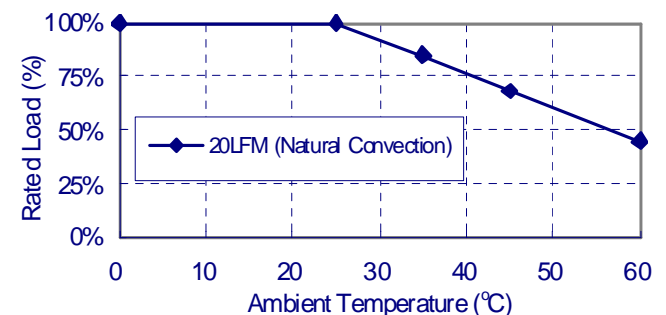
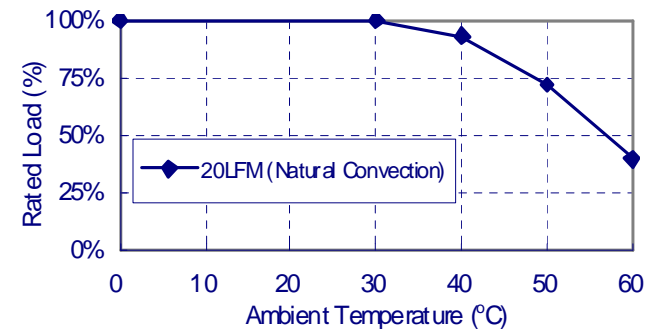
Emission and Immunity	EN55022 Class B, FCC Part 15 Class B EN61000-6-3, EN61000-3-2, EN61000-3-3 EN55024, EN61204-3, EN61000-6-1
Safety	IEC60950-1, EN60950-1, UL60950-1

1. Voltage accuracy is set at full load and 25°C Ta.
2. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
3. Line regulation is measured from 100Vac to 240Vac with full load.
4. Load regulation is measured from 60% to 100% full load and from 60% to 20% full load (60% \pm 40% full load)
5. Input connector mates with Molex housing 09-50-3031 and Molex 2878 series crimp terminal.
6. Output connector mates with Molex housing 09-50-3061 and Molex 2878 series crimp terminal.
7. Safety approvals do not apply to the Covered versions, only to the Open-Frame versions.

**CFM40D-01, 40D-02, 40T-01, 40T-02, 40T-03, 40T-04, 40T-05,
40T-06**



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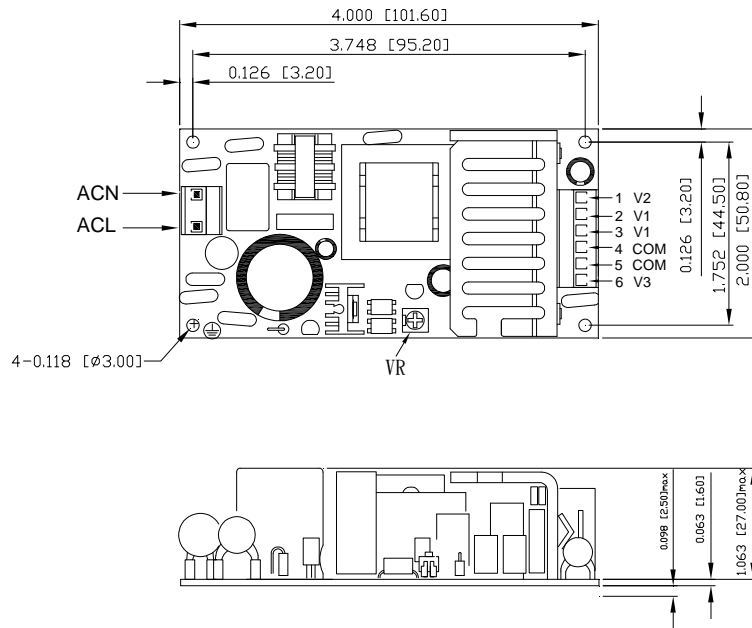


CFM40D/T Series

All Dimensions are in inches(mm)

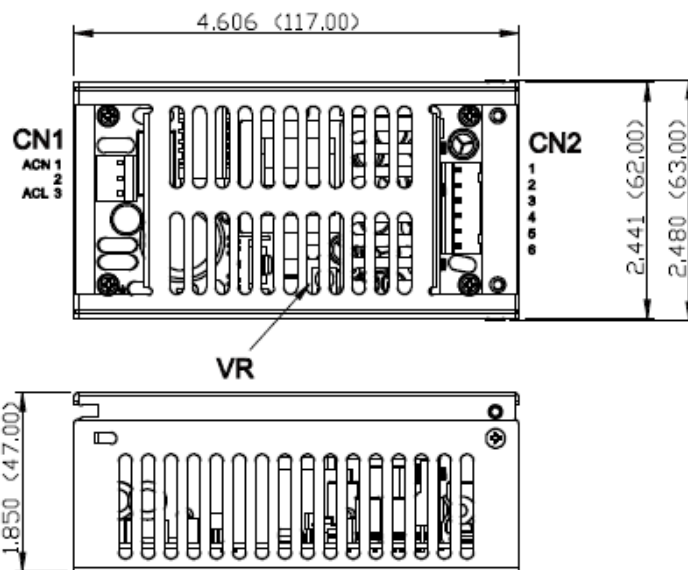
Tolerance:Inches:X.XXX±0.02

Millimeters:X.XX±0.5



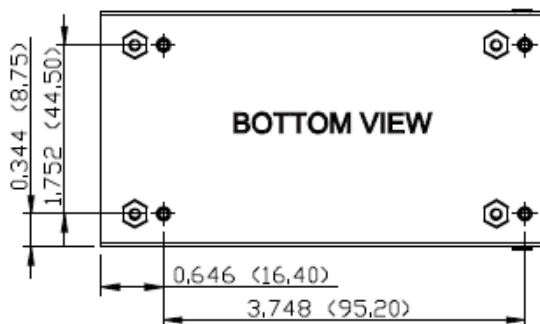
**CN1
PIN CONNECTION**

PIN	Function
1	ACN
2	-
3	ACL



**CN2
PIN CONNECTION**

PIN	Function
1	V2
2	V1
3	V1
4	GND
5	GND
6	V3



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

Mouser Electronics

Authorized Distributor

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Cincon:

[CFM40T-04](#) [CFM40T-01](#) [CFM40T-02](#) [CFM40T-03](#) [CFM40D-01](#) [CFM40D-02](#) [CFM40T-05](#) [CFM40T-06](#) [CFM40T-07](#)