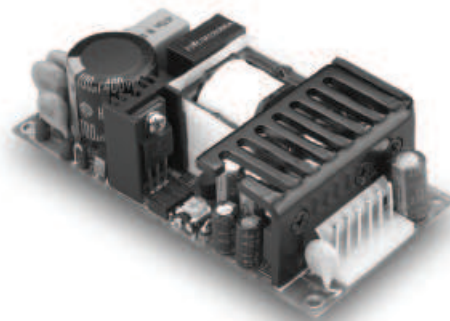


# AC-DC Converters

**POWER  
SOLVE**

[www.powersolve.co.uk](http://www.powersolve.co.uk)

## CFM40D/T Series 40 Watt Dual/Triple Output



### Features

- Universal Input : 90 ~ 264Vac
- 2"x 4" Footprint
- Industry-Standard Pin Out
- Efficiency at 75% Typical (70% for CFM40T-07)
- Meets UL/cUL,TUV,CE
- Conductive EMI Meets CISPR/FCC Class B



### Electrical Specification

#### INPUT

Input voltage	90 - 264 VAC
Input frequency	47 to 63 Hz
Inrush Current	50A max. @ 264Vac
Input Current	1A max. (RMS) @ 115Vac
Conducted EMI	CISPR/FCC Class B
Isolation	Input to output = 4,242Vdc
Leakage Current	3.5mA max.

#### OUTPUT

Rated Power for Convection Cooling	40W (CFM40T-07, 30W)
Maximum Power with 30 CFM Forced Air	50W (CFM40T-07, 40W)
Hold-up Time	20mS typ. @115Vac
Short Circuit/ Over Load Protection	On All Outputs (Auto Recovery)
Over Voltage Protection	3.6~4.6V/5.7~6.7V ON V1(3.3V/5V) 120%~140% ON V2(12V/15V/24V)
Adjustment Range	+10% typ.

#### ENVIRONMENTAL

Operating Temperature	0 ~ 45°C
Storage Temperature	-20 ~ 85°C

#### MECHANICAL CHARACTERISTICS

Dimensions	101.6 x 50.8 x 30.48 mm
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Typical @ 25°C, nominal line and 75% load, unless otherwise specified

**Powersolve Electronics Ltd. Units 8A, Arnhem Road, Newbury, RG14 5RU. England**

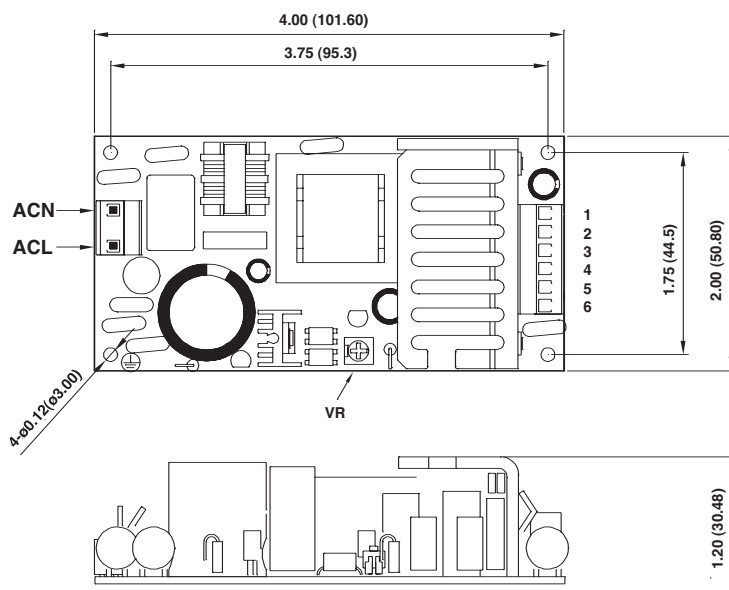
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# AC-DC Converters

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	77%
	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	78%
	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	75%
	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	75%
	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	75%
	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	75%
	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	75%
	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	75%
	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	5V(V1)	0.4	5.0	7.0	100	±3%	±1%	±3%	30.0W	70%
	3.3V(V1)	0.2	2.0	3.5	100	±4%	±3%	±5%		
	-12V(V3)	0	0.3	0.5	120	±3%	±1%	±1%		

**Note:**

1. Voltage accuracy is set at full load.
2. Add a 0.1µF ceramic capacitor and a 10µF E.L. capacitor to output for Ripple & Noise measurement @20MHz BW.
3. Line regulation measured from 100Vac to 240Vac, full load.
4. Load regulation measured from 60% to 100% full load and from 60% to 20% load (60% +/- 40% load)



Pin Connection	
Pin	CFM40D/T
1	V2
2	V1
3	V1
4	COM
5	COM
6	V3