

AC-DC Converters

**POWER
SOLVE**

www.powersolve.co.uk

CFM10/15 Series
10/15 Watt Open Frame
PCB Mounting



Features

- Universal Input 85-264 Vac
- Conductive EMI Meets CISPR/FCC Class B
- High Efficiency at 82% Typical
- PCB Mountable



Electrical Specification

INPUT

Input voltage	85 - 264 VAC
Input frequency	47 to 63 Hz
Inrush Current	20A max. @ 115Vac 40A Max. @ 230Vac
Conducted EMI	CISPR/FCC Class B
Isolation	Input to output = 4,242Vdc
Leakage Current	0.25mA max.

OUTPUT

Hold-up Time	16mS typ. @115Vac
Short Circuit Protection	Continuous
Temperature Coefficient	±0.05°C

ENVIRONMENTAL

Operating Temperature	0 ~ 40°C
Storage Temperature	-20 ~ 85°C
Cooling	Free Air Convection

MECHANICAL

Dimensions	CFM10: 65 x 45 x 23 mm CFM15: 69.9 x 48 x 23 mm
------------	--

Typical @ 25°C, nominal line and 75% load, unless otherwise specified

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

Tel:01635 521858 Fax: 01635 523771 Email: sales@powersolve.co.uk

AC-DC Converters

10 Watt Series

MODEL	OUTPUT VOLTAGE	MAX LOAD	MIN LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	EFF %
CFM1001S	5V	2000mA	0A	50mV	±1%	±0.5%	±1%	70
CFM1002S	12V	840mA	0A	1%	±1%	±0.5%	±1%	75
CFM1003S	15V	670mA	0A	1%	±1%	±0.5%	±1%	75
CFM1005S	24V	420mA	0A	1%	±1%	±0.5%	±1%	78
CFM1007S	3.3V	2500mA	0A	50mV	±1%	±0.5%	±1%	65
CFM1009S	9V	1120mA	0A	1%	±1%	±0.5%	±1%	72

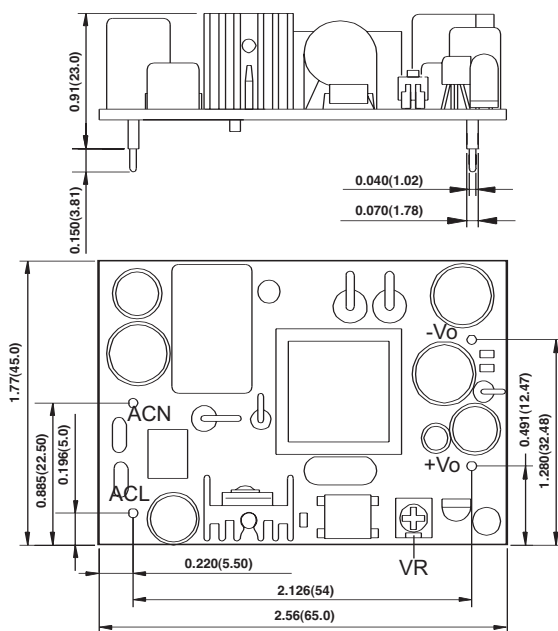
15 Watt Series

MODEL	OUTPUT VOLTAGE	MAX LOAD	MIN LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	EFF %
CFM1501S	5V	3000mA	0A	1%	±1%	±0.5%	±1%	73
CFM1502S	12V	1250mA	0A	1%	±1%	±0.5%	±1%	80
CFM1503S	15V	1000mA	0A	1%	±1%	±0.5%	±1%	80
CFM1505S	24V	630mA	0A	1%	±1%	±0.5%	±1%	82
CFM1507S	3.3V	3000mA	0A	50mV	±1%	±0.5%	±1%	70
CFM1509S	9V	1670mA	0A	1%	±1%	±0.5%	±1%	75

Note:

1. 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.

10 Watt Series



15 Watt Series

