CFM15 SERIES

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE NOET 1	VOLTAGE ACCURACY	LINE REGULATION NOTE 2	LOAD REGULATION NOTE 3	%EFF. (Typ.) NOTE 4
CFM1501S	5V	3000mA	1%	±1%	±0.5%	±1%	74%
CFM1502S	12V	1250mA	1%	±1%	±0.5%	±1%	80%
CFM1503S	15V	1000mA	1%	±1%	±0.5%	±1%	81%
CFM1505S	24V	630mA	1%	±1%	±0.5%	±1%	83%
CFM1507S	3.3V	3000mA	50mV	±1%	±0.5%	±1%	69%
CFM1509S	9V	1670mA	1%	±1%	±0.5%	±1%	76%

CFM10 Series

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE NOTE 1	VOLTAGE ACCURACY	LINE REGULATION NOET 2	LOAD REGULATION NOTE 3	% EFF. (Typ.) NOTE 4
CFM1001S	5V	2000mA	1%	±1%	±0.5%	±1%	73%
CFM1002S	12V	840mA	1%	±1%	±0.5%	±1%	76%
CFM1003S	15V	670mA	1%	±1%	±0.5%	±1%	76%
CFM1005S	24V	420mA	1%	±1%	±0.5%	±1%	77%
CFM1007S	3.3V	2500mA	50mV	±1%	±0.5%	±1%	67%
CFM1009S	9V	1120mA	1%	±1%	±0.5%	±1%	72%

* Leakage Current 0.25mA Max.

CINCON

Features

* Universal Input Range 85~264VAC

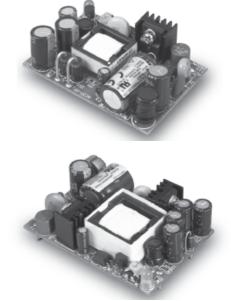
* Continuous Short Circuit Protection

* PCB Mountable

* Efficiency to 83%

* Meets EN55032 Class B * Approved IEC/EN/UL62368-1





Specifications

INPUT SPECIFICATIONS:

Voltage	
	120~370Vdc
Frequency	47 to 63Hz
Input Current	100Vac/0.5A max., 240Vac/0.25A max.
Inrush Current Cold Start	@25℃ 20A max. @115Vac
	40A max. @230Vac
Leakage Current	0.25mA max.

OUTPUT SPECIFICATIONS:

Holdup Time	16ms typ. @115Vac
Short Circuit Protection	Hiccup Mode (Auto Recovery)
Over Voltage Protection	TVS Component to Clamp
Temperature Coefficient	0.05%/°C

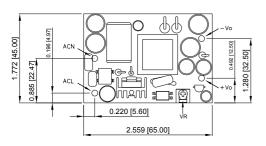
GENERAL SPECIFICATIONS:

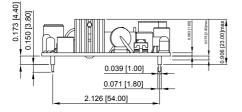
Isolation	Input to output = 3000VAC
Operating Temperature	0 ~ 70 $^\circ \rm C$ (see derating curve)
Storage Temperature	-20~85 ℃
Humidity	93% RH max. Non condensing
Cooling	Natural Convection
Switching Frequency	CFM10: 100KHz Typical
	CFM15: 67KHz Typical
MTBF MIL-HDBK-217F, GB	, at 25℃/115VAC 200Khrs min.
Altitude	2000m
Dimensions CFM10: 2.599x1.772x	0.906Inches (65.00x45.00x23.00mm)
CFM15: 2.752x1.890x	0.906Inches (69.90x48.00x23.00mm)
Weight	CFM10: 60g (0.13Pounds)
	CFM15: 80g (0.18Pounds)

Mechanical Specification

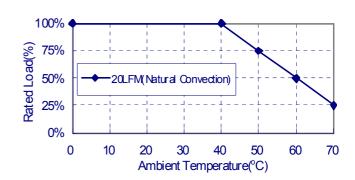
All Dimensions are in inches(mm) Tolerance:Inches:X.XXX±0.02 Millimeters:X.XX±0.5

CFM10 Series





CFM10/15 Series Derating Curve



SAFETY AND EMC:

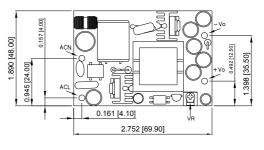
EN61000-3-2, EN61000-3-3, EN55024

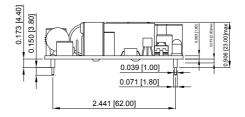
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EN61204-3, EN61000-6-1
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NOTE:

- 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. Typical efficiency with 230VAC and max. load $25^\circ\! {\rm C}.$

CFM15 Series





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