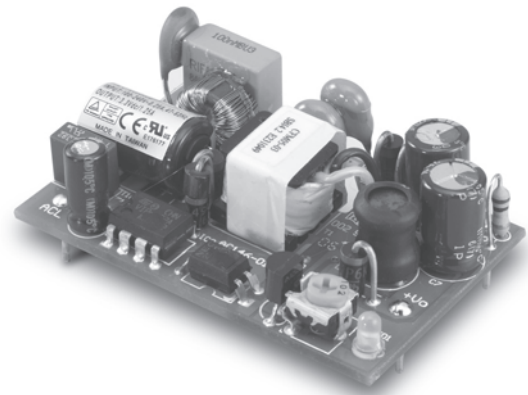


CFM05

S E R I E S

5 WATT OPEN FRAME AC-DC MODULES



Features

- Universal Input Range 85-264VAC
- Efficiency to 80%
- Meets EN55022 Class B
- Continuous Short Circuit Protection
- Low Leakage Current 0.25mA Max.
- PCB Mountable

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT (A)		RIPPLE (mVp-p)	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	% EFF. (Typ.)
		MIN.	MAX.					
CFM05S033	3.3V	0A	1.25A	50mV	± 1%	± 0.5%	± 1%	70%
CFM05S050	5.0V	0A	1.0A	50mV	± 1%	± 0.5%	± 1%	73%
CFM05S090	9.0V	0A	0.55A	90mV	± 1%	± 0.5%	± 1%	76%
CFM05S120	12.0V	0A	0.42A	120mV	± 1%	± 0.5%	± 1%	77%
CFM05S150	15.0V	0A	0.33A	150mV	± 1%	± 0.5%	± 1%	78%
CFM05S180	18.0V	0A	0.28A	180mV	± 1%	± 0.5%	± 1%	78%
CFM05S240	24.0V	0A	0.23A	240mV	± 1%	± 0.5%	± 1%	80%

Specifications

INPUT SPECIFICATIONS:

Voltage85 ~ 264Vac
 Frequency47 to 63Hz
 Inrush Current.....40A max. @240Vac
 Conducted EMI.....CISPR/FCC Class B
 IsolationInput to output =4,242VDC
 Leakage Current.....0.25mA max

OUTPUT SPECIFICATIONS:

Holdup Time8mS typ. @115Vac
 Short Circuit ProtectionContinuous
 Over Voltage ProtectionTVS Component to Clamp
 Temperature Coefficient±0.05% / °C

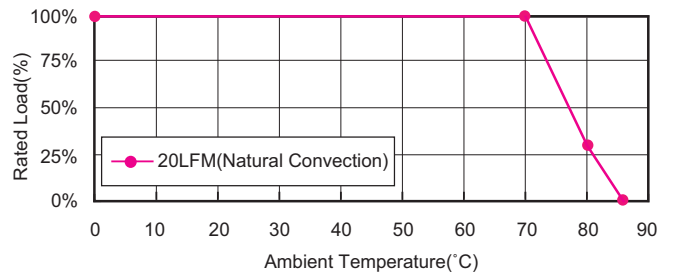
EGENERAL SPECIFICATIONS:

Isolation Input to output = 4,242VDC
 Operating Temperature 0°C~ 85°C (see derating curve)
 Storage Temperature -20~85°C
 Humidity 93% RH max. Non condensing
 Cooling Natural Convection
 Switching Frequency 60KHz Typical
 MTBF MIL-HDBK-217F, GB, at 25°C/115VAC 200K hrs min.
 Altitude 2000m
 Dimensions 2.165x1.378x0.827inches (55.00x35.00x21.00mm)
 Weight 35g (0.08 Pounds)

SAFETY AND EMC:

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

CFM05 Series Derating Curve



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 100Vac to 240Vac with full load.
3. Load regulation is measured from 10% to 100% full load

CFM05 Series

All Dimensions In Inches(mm)
 Tolerance Inches: x.xxx= ±0.02
 Millimeters: x.xx= ±0.5

