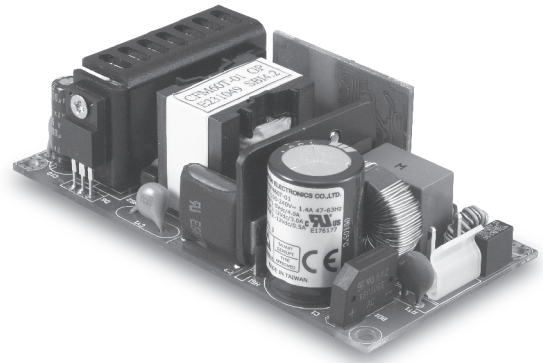


# CFM60T

S E R I E S



## 60 WATT TRIPLE OUTPUTS AC-DC OPEN FRAME



### Features

- Universal Input Range 90~264VAC
- 2"x4" Size
- Industry Standard Pin Out
- Efficiency to 83%
- 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.   |                |                  |           |           |                |              |
| CFM60T-01 | V1=5V          | 0 A                | 4.0 A | 5.0 A  | 50 mV          | ±2%              | ±1%       | ±4%       | 62W            | 83%          |
|           | V2=12V         | 0 A                | 3.0 A | 3.7 A  | 120 mV         | ±5%              | ±1%       | ±3%       |                |              |
|           | V3=-12V        | 0 A                | 0.5 A | 0.65 A | 120 mV         | ±5%              | ±1%       | ±5%       |                |              |
| CFM60T-02 | V1=5V          | 0 A                | 4.0 A | 5.0 A  | 50 mV          | ±2%              | ±1%       | ±4%       | 62W            | 83%          |
|           | V2=15V         | 0 A                | 2.5 A | 3.1 A  | 150 mV         | ±4%              | ±1%       | ±3%       |                |              |
|           | V3=-15V        | 0 A                | 0.3 A | 0.5 A  | 150 mV         | ±5%              | ±1%       | ±5%       |                |              |
| CFM60T-03 | V1=5V          | 0 A                | 4.0 A | 5.0 A  | 50 mV          | ±2%              | ±1%       | ±4%       | 62W            | 83%          |
|           | V2=24V         | 0 A                | 1.5 A | 1.8 A  | 240 mV         | ±3%              | ±1%       | ±3%       |                |              |
|           | V3=-12V        | 0 A                | 0.5 A | 0.6 A  | 120 mV         | ±5%              | ±1%       | ±5%       |                |              |
| CFM60T-04 | V1=3.3V        | 0 A                | 6.0 A | 7.5 A  | 50 mV          | ±4%              | ±1%       | ±5%       | 40.8W          | 78%          |
|           | V2=5V          | 0 A                | 3.0 A | 3.7 A  | 50 mV          | ±5%              | ±1%       | ±4%       |                |              |
|           | V3=-12V        | 0 A                | 0.5 A | 0.65A  | 120 mV         | ±5%              | ±2%       | ±5%       |                |              |

## Specifications

### INPUT SPECIFICATIONS:

Voltage ..... 90~264Vac  
 Frequency ..... 47 to 63Hz  
 Inrush Current ..... Cold start@25°C..... 50A max. @240Vac  
 Leakage Current..... 3.5mA max

### OUTPUT SPECIFICATIONS:

Hold-up Time..... 8ms typ. @115Vac  
 Short Circuit ..... Hiccup Mode (Auto Recover)  
 Over Voltage Protection ..... 6V/7V on V1(3.3V/5V)  
 15V/18V/28V on V2(12V/15V/24V)  
 Temperature Coefficient ..... ±0.05%/°C

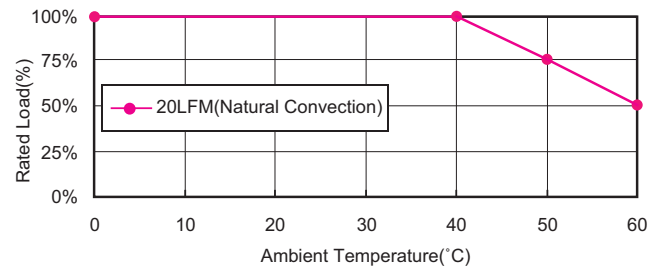
### GENERAL SPECIFICATIONS:

Isolation ..... Input to output = 4,242VDC  
 Operating Temperature ..... 0°C~60°C (see Derating Curve)  
 Storage Temperature ..... -20~85°C  
 Humidity ..... 93% RH max. Non-Condensing  
 Cooling ..... Natural Convection  
 Switching Frequency ..... 65KHz Typical  
 MTBF ..... MIL-HDBK-217F, GB, 25°C/115VAC ..... T.B.D hrs  
 Altitude ..... 2000m  
 Dimensions ..... 4.000x2.000x1.260 inches (101.60x50.80x32.00 mm)  
 Weight ..... 170g (0.37 Pounds)

### SAFETY AND EMC:

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

## CFM60T Series Derating Curve



### NOTE:

1. Voltage accuracy is set at 60% load and 25°C Ta.
2. Add a 0.1µF ceramic capacitor and a 10µF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
3. Line regulation is measured from 103Vac~127Vac & 207Vac~253Vac with rated load.
4. Load regulation is defined by changing ±40% of measured output load from 60% rated load at other outputs set to 60% rated 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.

## CFM60T Watt Series

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

