

AOF25 Family

Single, dual and triple Output



Features:

- 25W with free air convection
- 30W Max. Continuous Power with 20 cfm. Force air
- 3.6" x 2.5" x 1.15" Package Size
- Over voltage, over temperature and short circuit protection
- Very Low Leakage Current Design
- cUL, TUV and NEMKO Certified

Electrical Specs

INPUT	
Input Range	90~264VAC
Frequency	47~63 Hz
Input current	1.0A rms @ 90VAC
Efficiency	75% typical
Inrush Current	< 25A peak @ 120 VAC cold start @ 25°C
Leakage Current	0.2mA @ 120 VAC, 60Hz 0.4mA @ 230 VAC, 50Hz
OUTPUT	
Maximum Power	25W Continuous 30W with 20 cfm. Force air
Total Regulation	± 5%
Output Adjustment	± 2%
Transient Response	± 5% max deviation @ 25% step of full load
Hold-up Time	> 18ms @ Full load, 120VAC > 24ms @ Full load, 230VAC
OVP Protection	125% output Voltage
Short Protection	Auto-Restart Mode
OTP protection	110 °C @ Heat sink

General

Isolation voltage	3000V AC, Input/output 1500V AC, Input/Earth
Switching frequency	100K Hz
Weight	0.12 Kg (0.265 lbs.) max
MTBF	150,000 hours min. @ 25°C, 80% of full load

Environmental

Operating Temp	0°C ~ 40°C
Storage Temp	-20°C ~ 80°C
Temp. Derating	Decrease to 66% load from 40°C to 70°C
Relative Humidity	5% ~ 95% RH, Non-condensing
Vibration	2.4G rms peak, 5Hz ~ 500Hz @ three orthogonal axes
Shock	40G peak

Safety

UL1950
EN60950

EMC

Conducted Emissions	EN55011, Class B; FCC Class B
Radiated Emissions	EN55022, Class B; FCC Class B

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Order Information

Model name	Output #1	Output #2	Output #3	Pin 1	Pin 2, 3	Pin 4	Pin 5	Pin 6
AOF25-1050	+5.0V @ 5A			NC	RTN	+5V	+5V	NC
AOF25-1090	+9.0V @ 2.8A			NC	RTN	+9V	+9V	NC
AOF25-1120	+12V @ 2.1A			NC	RTN	+12V	+12V	NC
AOF25-1135	+13.5V @ 1.9A			NC	RTN	+13.5V	+13.6V	NC
AOF25-1150	+15V @ 1.7A			NC	RTN	+15V	+16V	NC
AOF25-1165	+16.5V @ 1.5A			NC	RTN	+16.5V	+16.6V	NC
AOF25-1180	+18V @ 1.4A			NC	RTN	+18V	+18V	NC
AOF25-1240	+24V @ 1.1A			NC	RTN	+24V	+24V	NC
AOF25-2010	+5.0V @ 2.5A	+12V @ 1A		+12V	RTN	+5V	+5V	NC
AOF25-2020	+5.0V @ 2A	+15V @ 1A		+15V	RTN	+5V	+5V	NC
AOF25-2030	+5.0V @ 2A	-5.0V @ 2A		-5V	RTN	+5V	+5V	NC
AOF25-2040	+5.0V @ 2.5A	-12V @ 1A		NC	RTN	+5V	+5V	-12V
AOF25-2050	+5.0V @ 2A	+24V @ 0.6A		+24V	RTN	+5V	+5V	NC
AOF25-2060	+15V @ 0.8A	-15V @ 0.8A		-15V	RTN	+15V	+15V	NC
AOF25-2070	+5.0V @ 3A	+12V @ 0.5A		+12V	RTN	+5V	+5V	NC
AOF25-2080	+12V @ 1A	+24V @ 0.5A		+24V	RTN	+12V	+12V	NC
AOF25-3010	+5.0V @ 3A	+12V @ 0.5A	-12V @ 0.2A	+12V	RTN	+5V	+5V	-12V
AOF25-3020	+5.0V @ 3A	+12V @ 0.5A	-5.0V @ 0.2A	+12V	RTN	+5V	+5V	-5V
AOF25-3030	+5.0V @ 2A	+12V @ 1A	-12V @ 0.3A	+12V	RTN	+5V	+5V	-12V
AOF25-3040	+5.0V @ 2A	+12V @ 1A	-5.0V @ 0.3A	+12V	RTN	+5V	+5V	-5V
AOF25-3050	+5.0V @ 2A	+24V @ 0.5A	-12V @ 0.4A	+24V	RTN	+5V	+5V	-12V
AOF25-3060	+5.0V @ 2A	+24V @ 0.5A	-5.0V @ 0.4A	+24V	RTN	+5V	+5V	-5V
AOF25-3070	+5.0V @ 2A	+15V @ 0.8A	-12V @ 0.5A	+15V	RTN	+5V	+5V	-12V
AOF25-3080	+5.0V @ 2A	+15V @ 0.8A	-5.0V @ 0.5A	+15V	RTN	+5V	+5V	-5V

Date Sheet @ Amperor, Inc. @ 2005

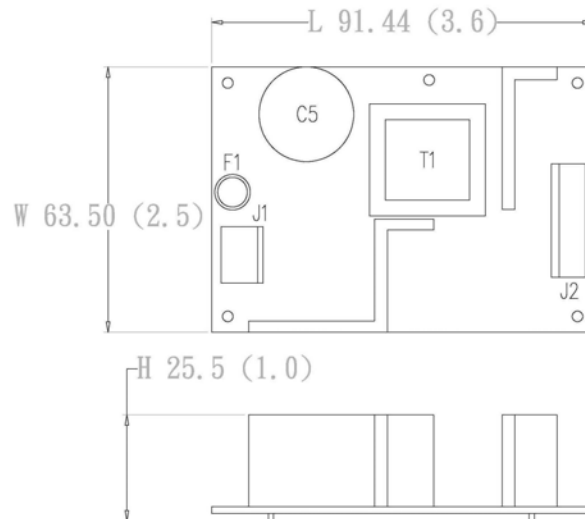
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Mechanical formation



- Note: 1. All dimensions in mm(inches)
2. Detailed mechanical drawing upon request

De-Rating Curve

Power vs. Ambient Temperature Curve is upon request