

KEY FEATURES

- Open Frame Switching Power Supply
- With PFC Function
- 3.3 VDC to 48 VDC Single Output
- 3000 VAC Input to Output Isolation
- 150 Watt with 18CFM FAN
- Ultra Compact Size: 5.0 x 3.0 x 1.4 Inches
- 2-Years Product Warranty

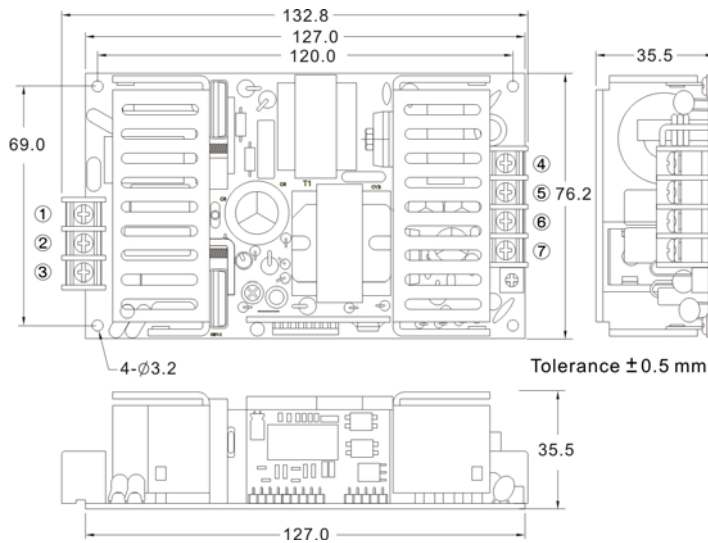


ELECTRICAL SPECIFICATIONS

Model No.		AQF1500-3.3S	AQF1500-5S	AQF1500-12S	AQF1500-15S	AQF1500-24S	AQF1500-48S
Max Output Wattage (Convection) (W)		66W	100W	120W	120W	120W	120W
Max Output Wattage (18CFM FAN) (W)		82.5W	125W	150W	150W	150W	150W
Input	Voltage	90-264 VAC or 120-370 VDC					
	Frequency (Hz)	47-63 Hz					
	Current (Full load)	3 A max. (115 VAC) / 1.5 A max. (230 VAC)					
	Inrush Current (<2ms)	30 A max. (115 VAC) / 60 A max. (230 VAC)					
	Leakage Current	3.5 mA max.					
	Power Factor	PF>0.97 (115 VAC) / PF>0.93 (230 VAC) at Full Load					
Output	Voltage (V.DC.)	3.3V	5V	12V	15V	24V	48V
	Voltage Accuracy	±2%					
	Current (Convection) (A) max	20	20	10	8	5	2.5
	Current (18CFM FAN) (A) max	25	25	12.5	10	6.25	3.13
	Line Regulation (LL-HL) (typ.)	±1%					
	Load Regulation (5-100%) (typ.)	±1%					
	Minimum Load	0%					
	Maximum Capacitive Load	470-23,000µF depending on model					
	Ripple & Noise	100 mV max.		1% max..			
	Efficiency	73%	78%	81%	81%	82%	83%
	Hold-up Time	18 ms min.					
	Switching Frequency	67 kHz					
Protection	Over Power Protection	Auto recovery					
	Over Voltage Protection	Auto recovery					
	Short Circuit Protection	Auto recovery					
Isolation	Input-Output (V.AC)	3000V					
	Input-FG (V.AC)	1500V					
	Output-FG (V.AC)	500V					
Environment	Operating Temperature	-25°C...+70°C (with derating)					
	Storage Temperature	-40°C...+85°C					
	Temperature Coefficient	±0.02%/°C (0~50°C)					
	Humidity	95% RH					
	MTBF	>100,000 h @ 25°C (MIL-HDBK-217F)					
	Vibration	10~500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes.					
Physical	Dimension (L x W x H)	5.0 x 3.0 x 1.4 Inches (127.0 x 76.2 x 35.5 mm) Tolerance ±0.5 mm					
	Weight	365 g					
	Cooling Method	Free air convection / 18CFM Forced Air					
Safety	Agency Approvals	CE, UL					
EMC	EMI (Conducted & Radiated Emission)	EN 55022 class B					
	EMS (Noise Immunity)	EN 55024					

All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

MECHANICAL DIMENSION (Top View)



PIN#	SINGLE
1	AC IN (L)
2	AC IN (N)
3	FG
4	+DC OUT
5	+DC OUT
6	-DC OUT
7	-DC OUT

DERATING

BLOCK DIAGRAM

