

KEY FEATURES

- Enclosed Switching Power Supply
- Universal Input: 90-264 VAC
- With P.F.C. Function, PF>0.95
- Free Air Convection
- High Efficiency up to 93%
- RoHS Compliant Design
- Ultra Compact Size: 6.0 x 4.18 x 1.38 Inches
- 2-Years Product Warranty



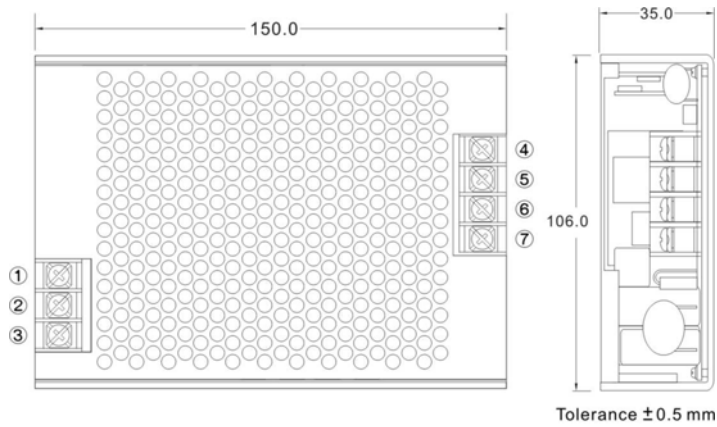
ELECTRICAL SPECIFICATIONS

Model No.		AQF240E-12S	AQF240E-15S	AQF240E-24S	AQF240E-28S	AQF240E-32S	AQF240E-48S
Max Output Wattage (W)		200W	220W	240W			
Input	Voltage	90-264 VAC or 120-370 VDC					
	Frequency (Hz)	47-63 Hz					
	Current (Full load)	<3.0 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	< 0.5 mA max.					
	Power Factor	PF>0.98 (115 VAC) / PF>0.95 (230 VAC) at Full Load					
Output	Voltage (V.DC.)	12V	15V	24V	28V	32V	48V
	Voltage Accuracy	±2%					
	Current (Convection) (A) max	16.66	14.66	10	8.57	7.5	5
	Line Regulation	±1%					
	Load Regulation	±1%					
	Minimum Load	0%					
	Maximum Capacitive Load	470-23,000µF depending on model					
	Ripple & Noise (max.)	120mVp-p	200mVp-p				
	Efficiency (typ.)	90%	90%	92%	92%	92%	93%
	Hold-up Time	20 ms min.					
	Switching Frequency	100 kHz					
Protection	Over Power Protection	Auto recovery					
	Over Voltage Protection	Latch Off					
	Short Circuit Protection	Latch Off					
Isolation	Input-Output (V.AC)	4000V					
	Input-FG (V.AC)	2000V					
	Output-FG (V.AC)	500V					
Environment	Operating Temperature	-10°C...+70°C (with derating)					
	Storage Temperature	-25°C...+85°C					
	Temperature Coefficient	±0.03%/°C (0~50°C)					
	Humidity	95% RH					
	MTBF	>50,000 h @ 25°C (MIL-HDBK-217F)					
	Vibration	10~500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes.					
Physical	Dimension (L x W x H)	6.0 x 4.18 x 1.38 Inches (150.0 x 106.0 x 35.0 mm) Tolerance ±0.5 mm					
	Weight	610 g					
	Cooling Method	Free convection					
Safety	Agency Approvals	CE, UL60950					
EMC	EMI (Conducted & Radiated Emission)	EN 55022 class B					
	EMS (Noise Immunity)	EN 55024					

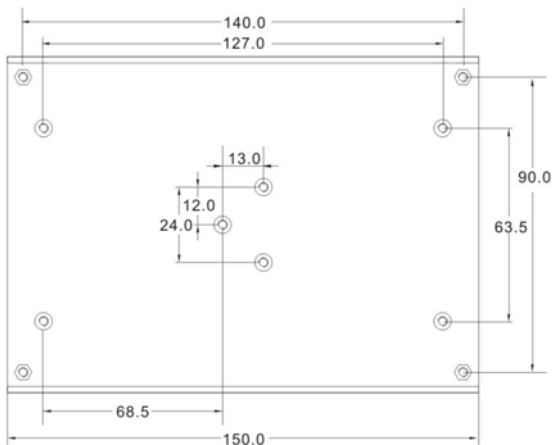
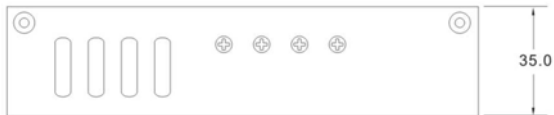
1. All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

2. Ripple & Noise are measured at 20MHz of bandwidth with 0.1µF & 47µF parallel capacitor.

MECHANICAL DIMENSION (Top View)

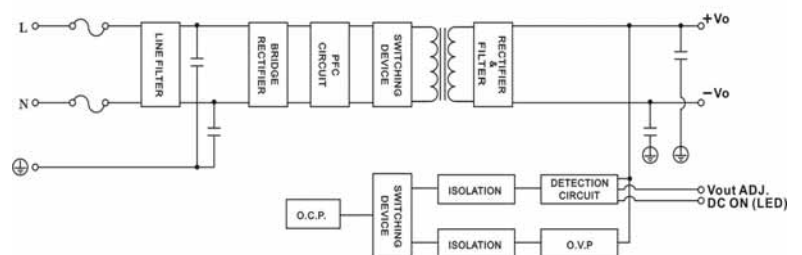


PIN#	SINGLE
1	AC IN (L)
2	AC IN (N)
3	FG
4	+DC OUT
5	+DC OUT
6	-DC OUT
7	-DC OUT



BLOCK DIAGRAM

Single Output



DERATING

