

110W Platform with PFC

“PRELIMINARY”



Product may vary slightly from photo

ATX125-3416

Total Power	110 Watts
Input voltage	90 - 135 VAC 180 - 265 VAC
# of Outputs	Five

SPECIAL FEATURES

- Power Factor Correction (PFC)
- Harmonic current Compliant
- CE Mark
- 3.3V output
- +5VSB Standby supply (SELV)
- Remote On/Off (ROO)
- Energy Star
- High efficiency
- High MTBF
- Built-in EMI filter (CISPR 22 Class B)
- IEC801-2,-4,-5
- Power good signal

ENVIRONMENTAL

Operating Temperature:
+10°C to +50°C ambient

Storage Temperature: -40°C to +70°C

Cooling: Self-contained fan

MTBF: >100,000 hours at 75% load and
25°C ambient conditions

SAFETY

NRTL/C
UL 1950
CSA 22.2 No. 950-95
EN 60950
NEMKO with Nordic Deviation
CE Mark (LVD)

ELECTRICAL SPECIFICATIONS

INPUT

Input range	90-135 / 180-265 VAC Switch select
Frequency	47-63 Hz
Input current	3 A @ 115 VAC; 1.5A @ 230 VAC
Efficiency	>65% @ full load, nominal line
EMI/RFI	FCC Part 15, Subpart B Class B and CISPR 22

OUTPUT

Maximum power	110 W
Hold-up time	17 ms at full load @ 115 / 230 VAC
Transient response	All outputs shall stay within regulation for 20% load change from 10 Hz - 1 KHz and 50% duty cycle condition
Overvoltage protection	+3.3 V - trip point <4.5 V +5 V - trip point <7.0 V +12 V - trip point <15.6 V Recycle AC or PS-On to reset
Short circuit protection	Latch off on main outputs if one of the mains short circuit to common (R<0.03 Ohm), but +5 VSB shall remain normal. Recycle AC or PS-On to reset
Leakage current	<1 mA @ 250 VAC to GND
Power good signal	TTL compatibility. Power good signal goes high after turn-on 100-500 ms. Signal goes low at least 1 ms before loss of regulation



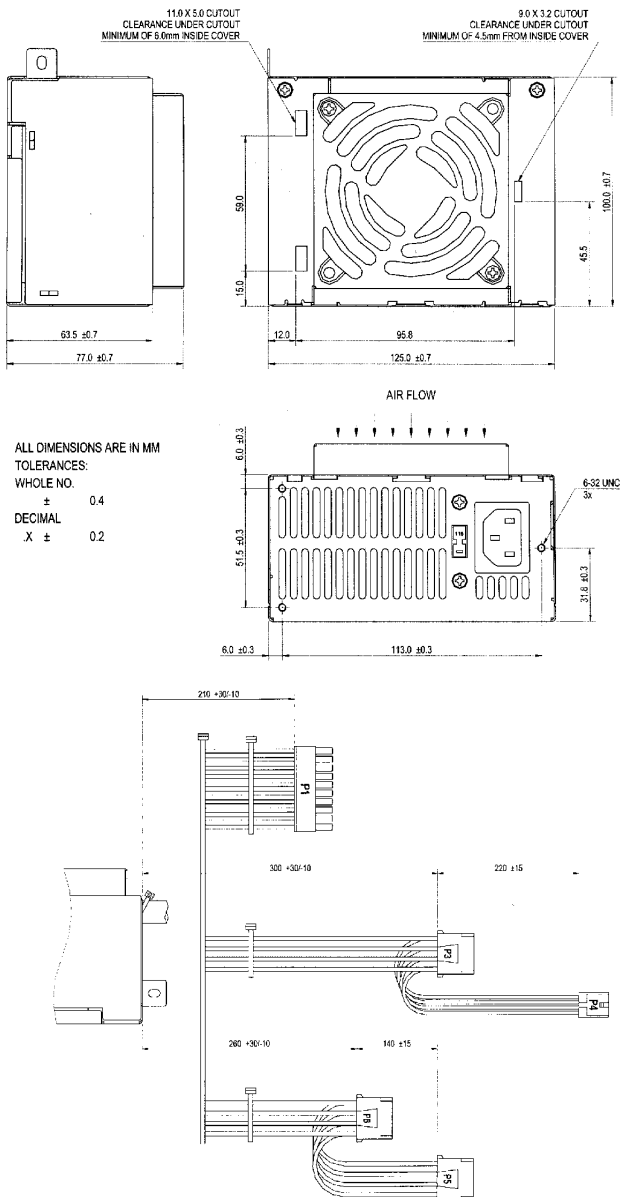
SPECIFICATIONS FOR ATX125-3416

“PRELIMINARY”

Output	Voltage	Regulation	Minimum Load ¹	Maximum Load	Peak Load	Ripple P/P(PARD) ₁
V1 ²	+3.3 V	+/-5%	0 A	8.0 A	—	50 mV
V2 ²	+5 V	+/-5%	0.4 A	10.0 A	—	50 mV
V3	+12 V	+/-5%	0 A	3.5 A	6.0 A	120 mV
V4 ³	-12 V	+/-10%	0 A	0.4 A	—	120 mV
V5	+5 VSB	+/-5%	0 A	2.0 A	—	50 mV

1. Peak-to-peak with 20 MHz bandwidth and 10 uF in parallel with a 0.1 uF capacitor.
2. Total combined power on +3.3 V and +5 V rails is 70 W max.
3. Minimum load requirement must comply to “Load Range” from in the Product Specification - contact factory.

DRAWINGS



PIN ASSIGNMENTS

CONNECTOR	PIN	OUTPUT	MATING CONNECTOR
P1	Pin 1	+3.3 VDC	Molex 39-28-8200 or Equivalent
	Pin 2	+3.3 VDC	
	Pin 3	COM	
	Pin 4	+5 VDC	
	Pin 5	COM	
	Pin 6	+5 VDC	
	Pin 7	COM	
	Pin 8	POK	
	Pin 9	+5 VSB	
	Pin 10	+12 VDC	
	Pin 11	+3.3V & Sense	
	Pin 12	-12 VDC	
	Pin 13	COM	
	Pin 14	PS-OFF	
	Pin 15	COM	
	Pin 16	COM	
	Pin 17	COM	
	Pin 18	RESERVED	
	Pin 19	+5 VDC	
	Pin 20	+5 VDC	
P3, P5, P6	Pin 1	+12 VDC	Molex 15-24-4345 or Equivalent
	Pin 2	COM	
	Pin 3	COM	
	Pin 4	+5 VDC	
P4	Pin 1	+5 VDC	AMP 171825-4 or Equivalent
	Pin 2	COM	
	Pin 3	COM	
	Pin 4	+12 VDC	

NOTES

1. Specifications subject to change without notice.
2. All dimensions in millimeters
3. Warranty: 1 year
4. Weight: 0.8 kg