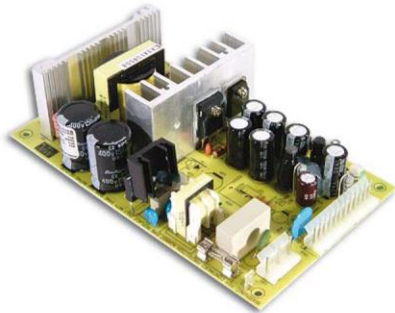




110W Open Frame type Dual output power supply > PD-110



■ Features :

- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- With power good signal output(Optional)
- 100% full load burn-in test
- Fixed switching frequency at 45KHz
- 2 years warranty



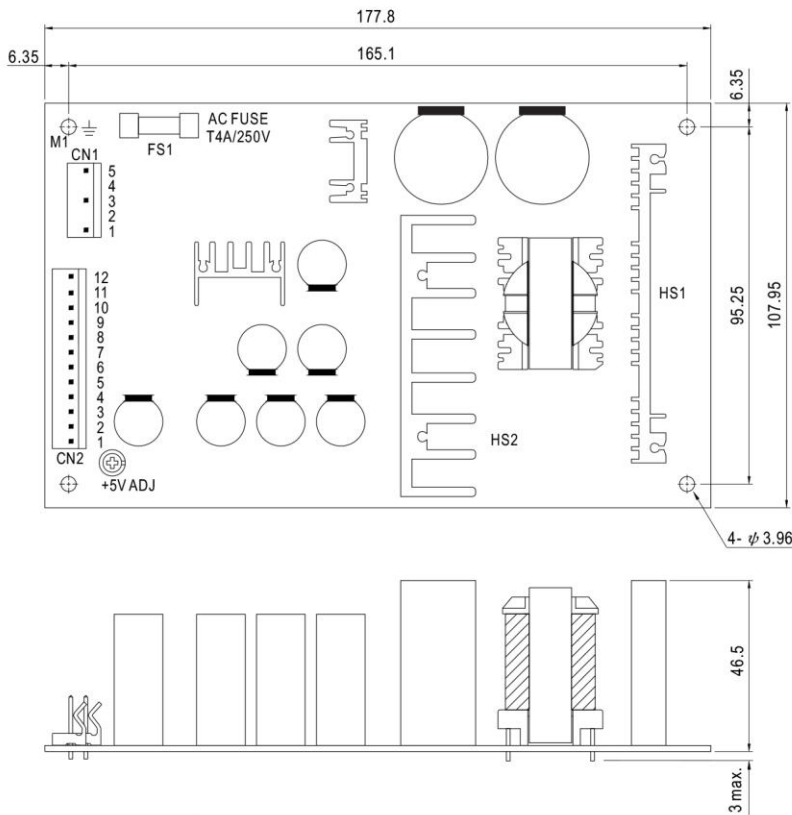
SPECIFICATION

MODEL		PD-110A		PD-110B	
OUTPUT	OUTPUT NUMBER	CH1	CH2	CH1	CH2
	DC VOLTAGE	5V	12V	5V	24V
	RATED CURRENT	5A	6.5A	5A	3.5A
	CURRENT RANGE	0.5 ~ 5A	0.5 ~ 6.5A	0.5 ~ 5A	0.5 ~ 3.5A
	RATED POWER	103W		109W	
	RIPPLE & NOISE (max.) Note.2	100mVp-p	150mVp-p	100mVp-p	200mVp-p
	VOLTAGE ADJ. RANGE	CH1:4.75 ~ 5.5V		CH1:4.75 ~ 5.5V	
	VOLTAGE TOLERANCE Note.3	±2.0%	±6.0%	±2.0%	±6.0%
	LINE REGULATION	±1.0%	±2.0%	±1.0%	±2.0%
	LOAD REGULATION	±1.0%	±5.0%	±1.0%	±5.0%
SETUP, RISE TIME	1200ms, 50ms at full load				
HOLD UP TIME (Typ.)	80ms at full load				
INPUT	VOLTAGE RANGE	100 ~ 264VAC 141 ~ 370VDC (90 ~ 100VAC 90% load max.)		[DC input operation possible by connecting AC/N(-), AC/L(+)]	
	FREQUENCY RANGE	47 ~ 63Hz			
	EFFICIENCY(Typ.)	75%		78%	
	AC CURRENT (Typ.)	3A/115VAC 1.5A/230VAC			
	INRUSH CURRENT (Typ.)	COLD START 45A			
LEAKAGE CURRENT	<1mA /240VAC				
PROTECTION	OVERLOAD	105% ~ 135% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed			
	OVER VOLTAGE	CH1: 5.75 ~ 6.75VDC Protection type : Hiccup mode, recovers automatically after fault condition is removed			
ENVIRONMENT	WORKING TEMP.	-10 ~ +50°C, 60 °C with cooling fan (Refer to "Derating Curve")			
	WORKING HUMIDITY	20 ~ 90% RH non-condensing			
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH			
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)			
SAFETY & EMC (Note 4)	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes			
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1, EAC TP TC 004 approved			
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC			
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH			
OTHERS	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3, EAC TP TC 020			
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,11, light industry level, criteria A, EAC TP TC 020			
NOTE	MTBF	323K hrs min. MIL-HDBK-217F (25°C)			
	DIMENSION	177.8*107.95*46.5mm (L*W*H)			
	PACKING	0.51Kg; 24pcs/13.1Kg/1.19CUFT			
<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." 5. Heat Sink HS1,HS2 can not be shorted. 6. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).</p>					

110W Open Frame type Dual output power supply > PD-110

Mechanical Specification

Unit:mm



AC Input Connector (CN1) : Molex 5273-05 or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	FG \perp	Molex 5195 or equivalent	Molex 5194 or equivalent
2,4	No Pin		
3	AC/N(-)		
5	AC/L(+)		

DC Output Connector (CN2) : Molex 5273-12 or equivalent

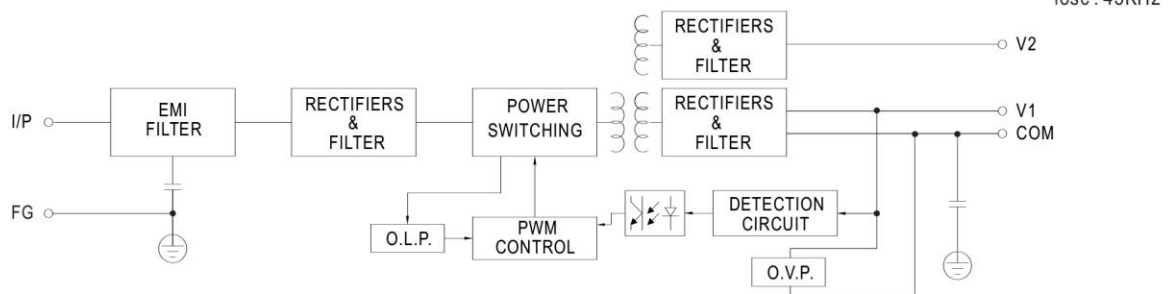
Pin No.	Assignment	Mating Housing	Terminal
1,2,3	V1	Molex 5195 or equivalent	Molex 5194 or equivalent
4,5,6,7	COM		
8,9,10	V2		
11,12	V3(Optional)		

MODEL	PD-110A	PD-110B
Pin No.		
1,2,3	+5V	+5V
8,9,10	+12V	+24V

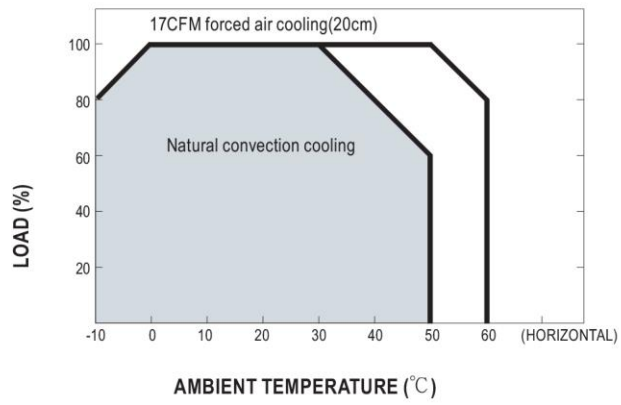
\perp : Grounding Required

- ⚠ 1.HS1,HS2 cannot be shorted
- 2.M1 is safety ground

Block Diagram



Derating Curve



Static Characteristics (A)

