



MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

PD-65

SERIES

- .LOW COST, HIGH RELIABILITY
- .105°C OUTPUT CAPACITOR
- .INTERNATIONAL AC INPUT RANGE
- .HIGH EFFICIENCY, LOW WORKING TEMPERATURE
- .SOFT-START CIRCUIT, LIMITING AC SURGE CURRENT
- .SHORT CIRCUIT, OVERLOAD, OVER VOLTAGE PROTECTED
- .COMPACT SIZE, LIGHT WEIGHT
- .100% FULL LOAD BURN-IN TEST
- .BUILT IN EMI FILTER, LOW RIPPLE NOISE



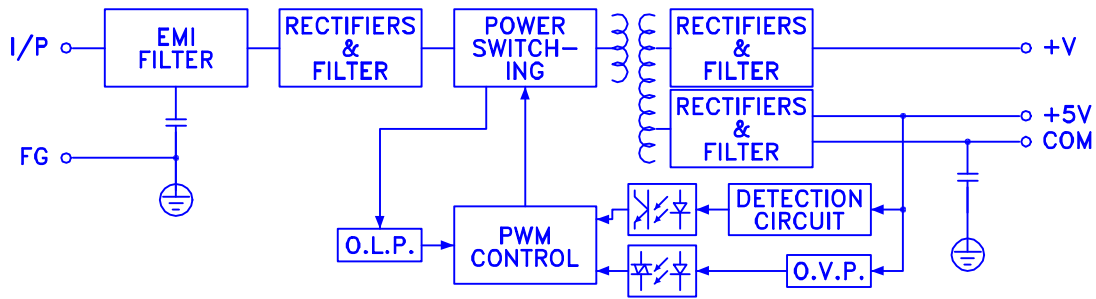
SPECIFICATION	MODEL		PD-65A		PD-65B	
	CH1	CH2	CH1	CH2	CH1	CH2
DC OUTPUT VOLTAGE	5V	12V	5V	24V		
OUTPUT V. TOLERANCE	±4%	±7%	±4%	±7%		
OUTPUT RATED CURRENT	5.5A	2.8A	3.5A	2A		
OUTPUT MIN. CURRENT	0.4A	0.2A	0.4A	0.2A		
OUTPUT MAX. CURRENT	7A	3.2A	6A	2.6A		
RIPPLE & NOISE	50mVp-p	120mVp-p	50mVp-p	150mVp-p		
LINE REGULATION	±1%	±2%	±1%	±2%		
LOAD REGULATION	±3%	±4%	±3%	±4%		
RATED OUTPUT POWER	61.1W		65.5W			
MAXIMUM OUTPUT POWER	RATED OUTPUT POWER FOR CONVECTION; 72W WITH 18 CFM MIN. FORCED AIR					
EFFICIENCY	78%		81%			
DC VOLTAGE ADJ.	CH1:+10,-5%		CH1:+10,-5%			
INPUT VOLTAGE RANGE	90-264VAC 47-440Hz ; 120-370VDC					
AC CURRENT	1.5A/115V 0.9A/230V					
INRUSH CURRENT	COLD START 20A/115V 40A/230V					
LEAKAGE CURRENT	<0.5 mA					
OVERLOAD PROTECTION	73-105W OUTPUT POWER TYPE: PULSING HICCUP SHUTDOWN RESET:AUTO RECOVERY					
OVER VOLTAGE PROTECTION	5.75-6.75VDC ON CH1					
TEMP. COEFFICIENT	±0.04% / °C (0-50°C) ON +5V OUTPUT					
SETUP, RISE, HOLD UP TIME	800ms, 20ms, 20ms					
VIBRATION	10-500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES					
WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC					
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:500VDC / 100M Ohms					
WORKING TEMP., HUMIDITY	-10°C~+60°C(REFER TO OUTPUT DERATING CURVE), 20%~90% RH					
STORAGE TEMP., HUMIDITY	-20°C~+85°C, 10%~95% RH					
DIMENSION	127*76.2*42mm (L*W*H) PCB ONLY					
WEIGHT	0.28Kgs					
SAFETY STANDARDS	UL1950, TUV EN60950 APPROVED					
EMC STANDARDS	CISPR22 (EN55022), IEC1000-4-2,3,4,5 IEC1000-3-2,3 VERIFICATION					

NOTE :

- 1.ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
- 2.TOLERANCE GINCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
- 3.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
- 4.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
- 5.OUTPUT PROVIDE UP TO MAXIMUM CURRENT, BUT RELATED TO MAXIMUM OUTPUT POWER.
- 6.EACH OUTPUT PROVIDE UP TO MAXIMUM CURRENT, BUT TOTAL LOAD CAN NOT EXCEED MAX. OUTPUT POWER.
- 7.MOUNTING HOLES M1 AND M2 SHOULD BE GROUNDED FOR EMI PURPOSES.

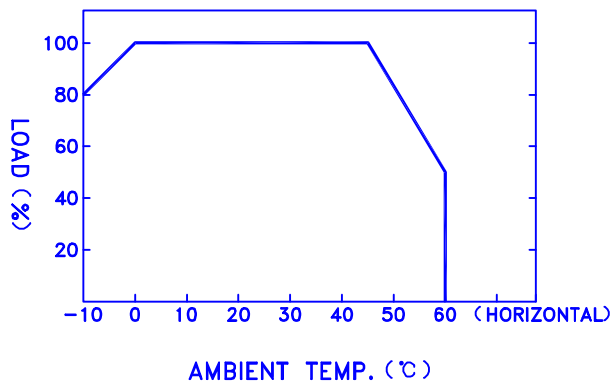
PD-65 SERIES

BLOCK DIAGRAM

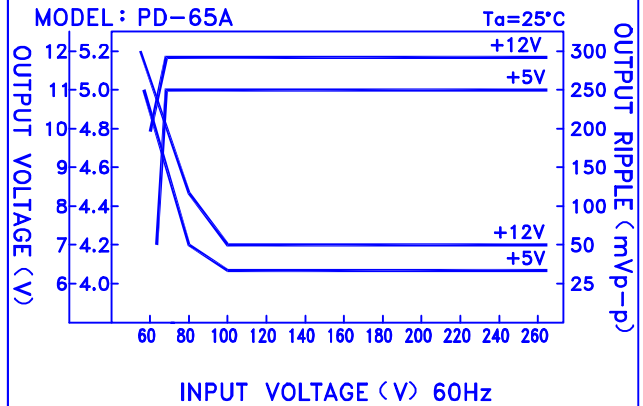


fosc : 65KHz

OUTPUT DERATING



STATIC CHARACTERISTICS



DIMENSION (mm)

☒ TERMINAL PIN NO. ASSIGNMENT

- ☒ CN1 : MOLEX 5277-02
PIN 1,3 : AC INPUT
- ☒ CN2 : MOLEX 5273-06
PIN 1 : DC OUTPUT +V
PIN 2,3 : DC OUTPUT +5V
PIN 4,5 : DC OUTPUT COM
PIN 6 : DC OUTPUT N.C.

☒ MATING CONNECTORS

- ☒ CN1,2 MATING CONNECTOR TYPE MOLEX 5195 AND 5239 SERIES OR EQUIVALENT WITH MOLEX 5194 AND 5225 OR EQUIVALENT CRIMP TERMINALS.

