



Features:

- Universal AC input / Full range
- Low leakage current \leq 0.3mA
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- Fixed switching frequency at 45KHz
- 3 years warranty









SPECIFICATION

MODEL		MPD-45A		MPD-45B		
	OUTPUT NUMBER	CH1	CH2	CH1	CH2	
ОИТРИТ	DC VOLTAGE	5V	12V	5V	24V	
	RATED CURRENT	3.2A	2A	3.2A	1.2A	
	CURRENT RANGE	0.4 ~ 5A	0.2 ~ 2.5A	0.4 ~ 5A	0.2 ~ 1.8A	
	RATED POWER	40W		44.8W		
	OUTPUT POWER (max.)	52W with 18CFM min. Forced air convection				
	RIPPLE & NOISE (max.) Note.2	60mVp-p	120mVp-p	60mVp-p	150mVp-p	
	VOLTAGE ADJ. RANGE	CH1:4.5 ~ 5.5V		CH1:4.5 ~ 5.5V	<u>'</u>	
	VOLTAGE TOLERANCE Note.3	±4.0%	±7.0%	±4.0%	±7.0%	
	LINE REGULATION	±1.0%	±2.0%	±1.0%	±2.0%	
	LOAD REGULATION	±3.0%	±4.0%	±3.0%	±4.0%	
	SETUP, RISE TIME	800ms, 20ms/230VAC 800ms, 20ms/115VAC at full load				
	HOLD UP TIME (Typ.)	50ms/230VAC 16ms/115VAC at full load				
INPUT	VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC				
	FREQUENCY RANGE	47 ~ 440Hz				
	EFFICIENCY(Typ.)	76%		78%		
	AC CURRENT (Typ.)	1.2A/115VAC 0.7A/230VAC				
	INRUSH CURRENT (Typ.)	COLD START 15A/115VAC 30A/230VAC				
	LEAKAGE CURRENT	<0.3mA / 264VAC				
PROTECTION		53 ~ 75W rated output power				
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed				
		5.75 ~ 6.75V on CH1				
	OVER VOLTAGE	Protection type: Hiccup mode, recovers automatically after fault condition is removed				
ENVIRONMENT	WORKING TEMP.	-10 ~ +60°C (Refer to output load derating curve)				
	WORKING HUMIDITY	20 ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH				
	TEMP. COEFFICIENT	±0.04%/°C (0 ~ 50°C) on +5V output				
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, Period for 60min.each along X, Y, Z axes				
SAFETY & EMC (Note 4)	SAFETY STANDARDS	UL2601-1, TUV EN60601-1, IEC601-1 Approved				
	WITHSTAND VOLTAGE	I/P-O/P:4KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC				
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG:100M Ohms/500VDC				
	EMI CONDUCTION & RADIATION	Compliance to EN55011 (CISPR11) Class B				
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3				
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN60601-1-2 Medical level, criteria A				
OTHERS	MTBF	291.3Khrs min. MIL-HDBK-217F (25°ℂ)				
	DIMENSION	127*76*28mm (L*W*H)				
	PACKING	0.2Kg; 72pcs/17.4Kg/1.35CUF	Т			
NOTE	Ripple & noise are measure Tolerance : includes set up The power supply is consided EMC directives.	specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. set up tolerance, line regulation and load regulation. considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets and M2 should be grounded for EMI purposes.				



