

MPD-45 series



Features :

- Universal AC input / Full range
- Low leakage current ≤ 0.3 mA
- 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

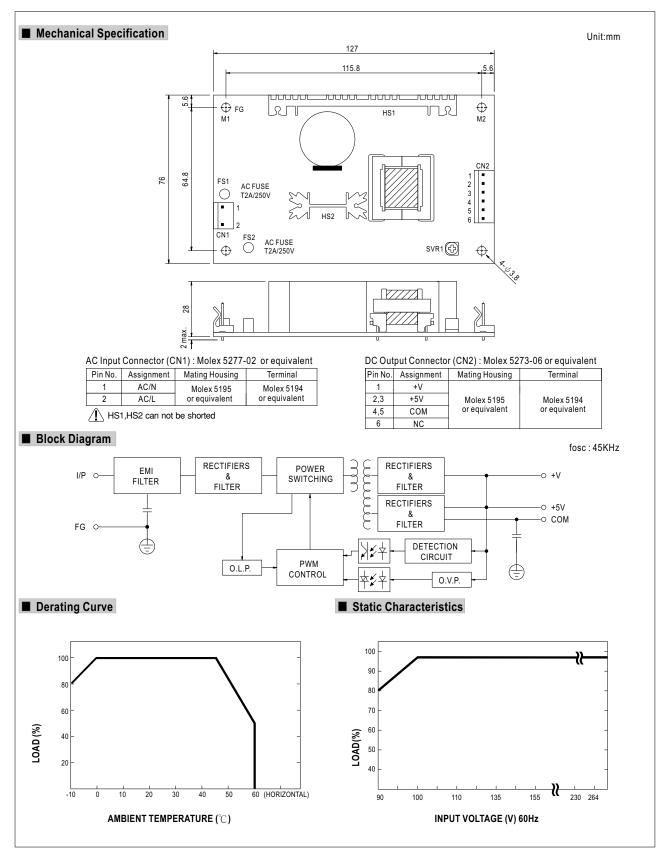


SPECIFICATION

MODEL		MPD-45A		MPD-45B		
	OUTPUT NUMBER	CH1	CH2	CH1	CH2	
OUTPUT	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	0.2 2.07	44.8W	0.2 1.07	
	OUTPUT POWER (max.)	52W with 18CFM min. Forced air convection		17.00		
	RIPPLE & NOISE (max.) Note.2		120mVp-p	60mVp-p	150mVp-p	
	VOLTAGE ADJ. RANGE	CH1:4.5 ~ 5.5V	1201119-0	CH1:4.5 ~ 5.5V	1001110-0	
	VOLTAGE TOLERANCE Note.3		±7.0%	±4.0%	±7.0%	
		±1.0%	±2.0%	±1.0%	±2.0%	
	LOAD REGULATION	±3.0%	±4.0%	±3.0%	±4.0%	
				13.0%	<u>1</u> 4.0%	
	SETUP, RISE TIME HOLD UP TIME (Typ.)	800ms, 20ms/230VAC 800ms, 20ms/115VAC at full load 50ms/230VAC 16ms/115VAC at full load				
INPUT	VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC 47 ~ 440Hz				
				700/		
	EFFICIENCY(Typ.)	76%	0	78%		
	AC CURRENT (Typ.)	1.2A/115VAC 0.7A/230VAC				
	INRUSH CURRENT (Typ.)	COLD START 15A/115VAC 30A/230VAC 30A/230VAC				
	LEAKAGE CURRENT	<0.3mA/264VAC				
PROTECTION	OVERLOAD	53 ~ 75W rated output power				
	OVEREDAD	Protection type : Hiccup mode, recovers automatically after fault condition is removed				
	OVER VOLTAGE	5.75 ~ 6.75V on CH1				
		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 &	SAFETY STANDARDS	UL2601-1, TUV EN60601-1, IEC60601-1 approved				
	WITHSTAND VOLTAGE	I/P-O/P:4KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC				
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH				
(Note 4)	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/1.35CUFT				
NOTE	 Ripple & noise are measure Tolerance : includes set up The power supply is consid EMC directives. For guidan (as available on http://www. 	2 should be grounded for EMI purposes.				



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File Name:MPD-45-SPEC 2011-03-31