

■ **Features:**

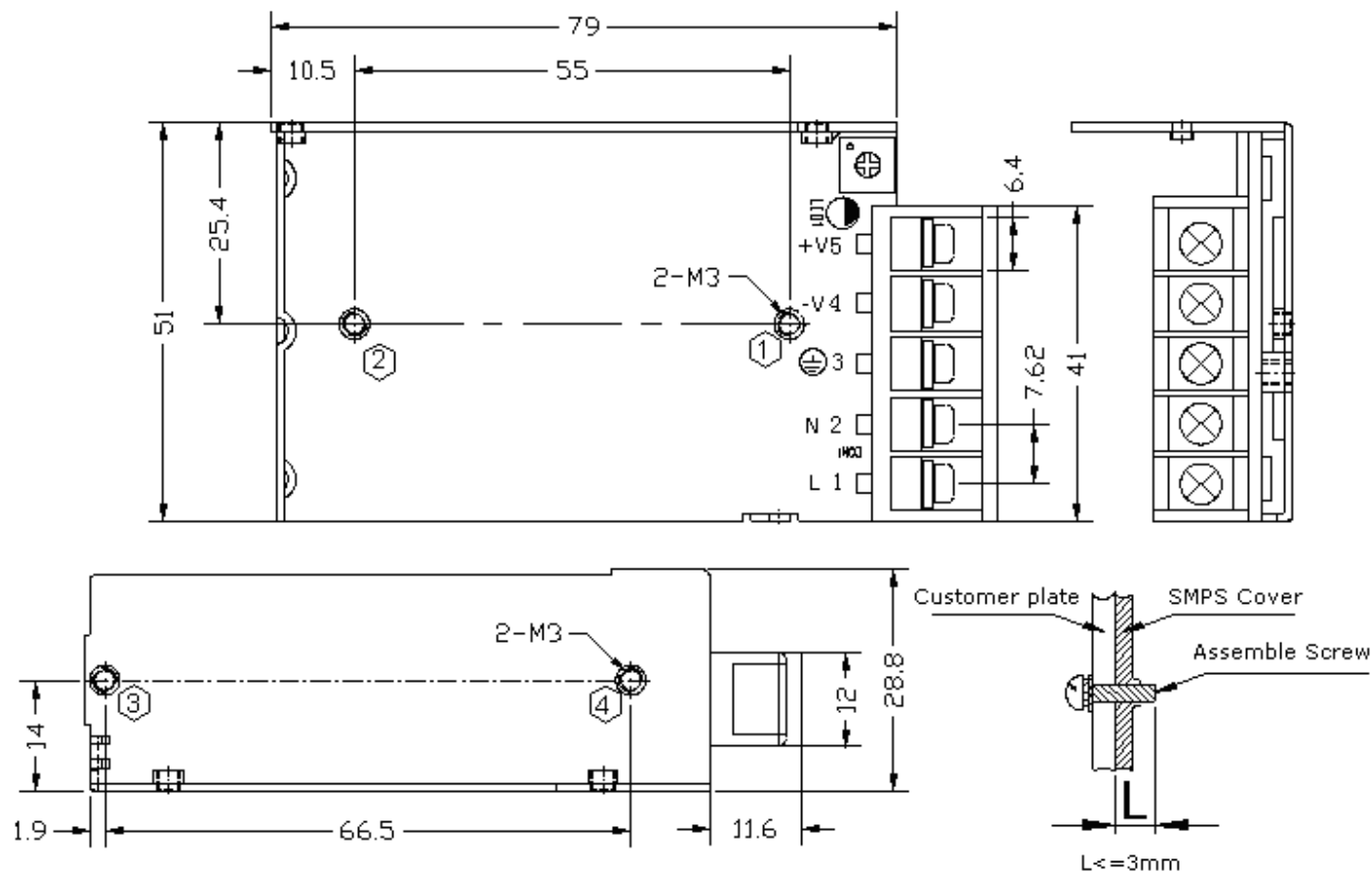
- No Load power consumption<0.5W
- Universal AC input range
- Miniature size, high power density, high efficiency, long life and high reliability
- Withstand 300VA surge input for 5 sec.
- Output protections: OLP/OPP/SCP
- Wide operating ambient temp (-20°C~70°C)
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test
- PCB soldering side with conformal coating
- Connector without plastic cover
- Suitable for critical applications
- 3 years warranty



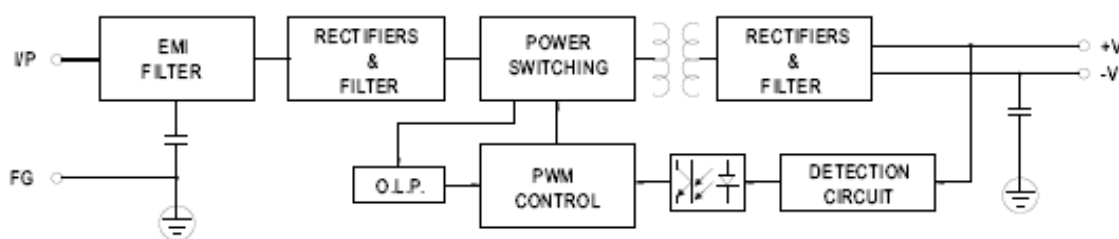
SPECIFICATION

MODEL		MFPD-25-S3.3	MFPD-25-S5	MFPD-25-S12	MFPD-25-S15	MFPD-25-S24	
OUTPUT	DC Output	3.3V	5V	12V	15V	24V	
	Rated Current	6A	5A	2.1A	1.7 A	1.1A	
	Current Range	0~6A	0~5A	0~2.1A	0~1.7A	0~1.1A	
	Ripple and Noise Note 2	-20~70°C <50mV	<80mV	<120mV	<150mV	<240mV	
	Voltage ADJ. Range	3.1~3.5V	4.75~5.25V	11.4~12.6V	14.25~15.75V	22.8~25.2V	
	Voltage Accuracy	±2.0%					
	Line Regulation	±1%					
	Load Regulation	±2.0%					
	Set-up Time	<1.0S (115Vac input, Full load); <2.0S (230Vac input, Full load)					
	Hold up Time	>10mS(115Vac input, Full load); >20mS(230Vac input, Full load)					
	Temperature Coefficient	±0.03%/°C					
	Overshoot and Undershoot	<5.0%					
INPUT	Voltage Range	88Vac~264Vac					
	Frequency Range	47Hz~63Hz					
	Efficiency (Typical)	115Vac input	70%	75%	80%	81%	83%
		230Vac input	71%	77%	82%	83%	84%
	AC Current (max.)	<0.7A					
	Inrush Current (Typical)	<20A@115Vac <40A@230Vac Cold start					
Leakage Current	Input—output:<0.25mA Input—PG:<3.5mA						
PROTECTION	Over Load	105%~150% of rated output current, constant power, auto recovery					
	Over Power	105%~150% of rated output power, constant power, auto recovery					
	Short Circuit	Long-term mode, auto recovery					
ENVIRONMENT	Operating amb. Temp. & Hum.	-20°C~70°C; 20%~90%RH No condensing (refer to the derating curve)					
	Storage Temp. & Hum.	-40°C~85°C; 10%~95%RH No condensing					
SAFETY & EMC Note 3	Safety Standards	UL60950-1 2 nd Ed; IEC 60950-1:2005(2 nd Ed) ;EN60950-1:2006					
	Withstand Voltage	Primary-Secondary:3.0KVac; ≤10mA .Primary-PG:1.5KVac; ≤10mA. Secondary-PG:0.5KVDC;≤10mA.					
	Isolation Resistance	100M ohms					
	EMC Emission	Compliance to EN55022 CALSS B FCC PART15 B					
	EMC Immunity	Compliance to EN61000-4-2,4,5,8,11;EN55024,EN61000-6-2 heavy industry level					
OTHERS	MTBF (MIL-HDBK-217F)	More than 200,000Hrs (25°C, Full load)					
	Dimension (L*W*H)	79×51×28.8mm					
	Packing	48PCS/CTN, 10.4KGS, 0.03CBM					
	Cooling method	Cooling by free air convection					
NOTE	1. All parameters NOT specially mentioned are measured at 230Vac input, rated load and 25°C of ambient temperature. 2. Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF & 10uF parallel capacitor. 3. The power supply is considered as a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.						

■ **Mechanical Specification** Unit:mm



■ **Block Diagram**



■ **Derating Curve**

