



■ Features :

- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Forced air cooling by built-in DC Fan
- Built-in fan speed control
- Fixed switching frequency at 100KHz
- 3 years warranty

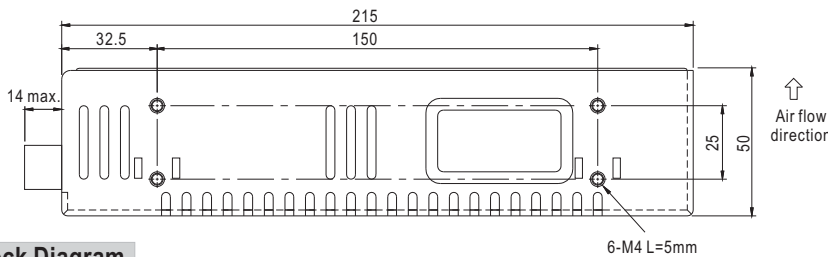
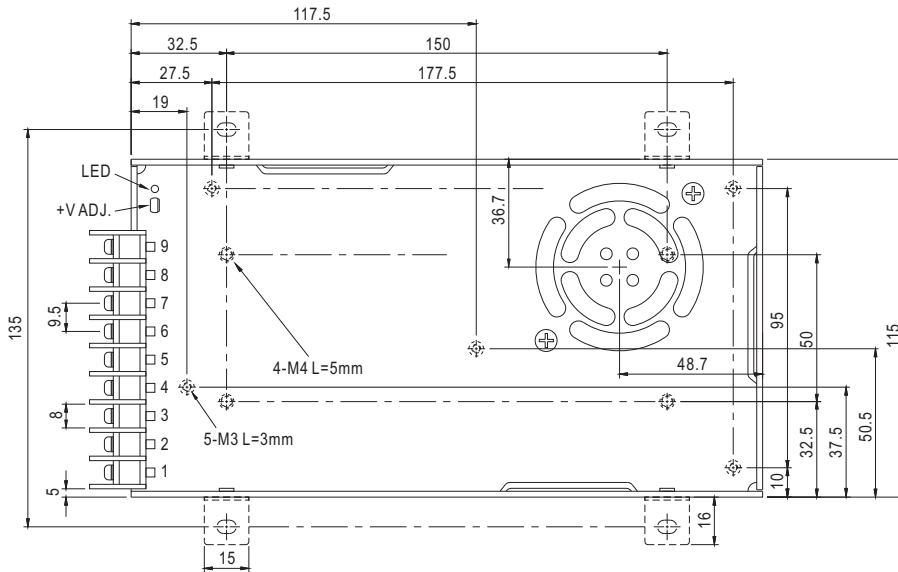


**SPECIFICATION**

<b>MODEL</b>		<b>SP-320-5</b>		
<b>OUTPUT</b>	<b>DC VOLTAGE</b>	5V		
	<b>RATED CURRENT</b>	55A		
	<b>CURRENT RANGE</b>	0 ~ 55A		
	<b>RATED POWER</b>	275W		
	<b>RIPPLE &amp; NOISE (max.)</b> Note.2	150mVp-p		
	<b>VOLTAGE ADJ. RANGE</b>	4.5 ~ 5.5V		
	<b>VOLTAGE TOLERANCE</b> Note.3	±2.0%		
	<b>LINE REGULATION</b>	±0.5%		
	<b>LOAD REGULATION</b>	±1.0%		
	<b>SETUP, RISE TIME</b>	800ms, 50ms/230VAC    2500ms, 50ms/115VAC at full load		
<b>HOLD UP TIME (Typ.)</b>	16ms/230VAC    16ms/115VAC at full load			
<b>INPUT</b>	<b>VOLTAGE RANGE</b> Note.5	88 ~ 264VAC	124 ~ 370VDC	
	<b>FREQUENCY RANGE</b>	47 ~ 63Hz		
	<b>POWER FACTOR (Typ.)</b>	PF>0.95/230VAC	PF>0.98/115VAC at full load	
	<b>EFFICIENCY (Typ.)</b>	79%		
	<b>AC CURRENT (Typ.)</b>	115VAC	5A	
		230VAC	2.5A	
	<b>INRUSH CURRENT (Typ.)</b>	20A/115VAC	40A/230VAC	
<b>LEAKAGE CURRENT</b>	<1mA / 240VAC			
<b>PROTECTION</b>	<b>OVERLOAD</b>	105 ~ 135% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed		
	<b>OVER VOLTAGE</b>	5.75 ~ 6.75V Protection type : Shut down o/p voltage, re-power on to recover		
	<b>OVER TEMPERATURE</b>	Shut down o/p voltage, recovers automatically after temperature goes down		
<b>ENVIRONMENT</b>	<b>WORKING TEMP.</b>	-20 ~ +65°C (Refer to "Derating Curve")		
	<b>WORKING HUMIDITY</b>	20 ~ 90% RH non-condensing		
	<b>STORAGE TEMP., HUMIDITY</b>	-40 ~ +85°C, 10 ~ 95% RH		
	<b>TEMP. COEFFICIENT</b>	±0.03%/°C (0 ~ 50°C)		
<b>SAFETY &amp; EMC (Note 4)</b>	<b>VIBRATION</b>	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes		
	<b>SAFETY STANDARDS</b>	UL60950-1, TUV EN60950-1, CCC GB4943(except for 3.3V, 36V) approved		
	<b>WITHSTAND VOLTAGE</b>	I/P-O/P:3KVAC    I/P-FG:2KVAC    O/P-FG:0.5KVAC		
	<b>ISOLATION RESISTANCE</b>	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH		
	<b>EMC EMISSION</b>	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3		
<b>OTHERS</b>	<b>EMC IMMUNITY</b>	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A		
	<b>MTBF</b>	207K hrs min.    MIL-HDBK-217F (25°C)		
	<b>DIMENSION</b>	215*115*50mm (L*W*H)		
<b>NOTE</b>	<b>PACKING</b>	1.1Kg; 12pcs/14Kg/0.92CUFT		
	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.                  2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 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." (as available on <a href="http://www.meanwell.com">http://www.meanwell.com</a>)                  5. Derating may be needed under low input voltages. Please check the derating curve for more details.</p>			

### Mechanical Specification

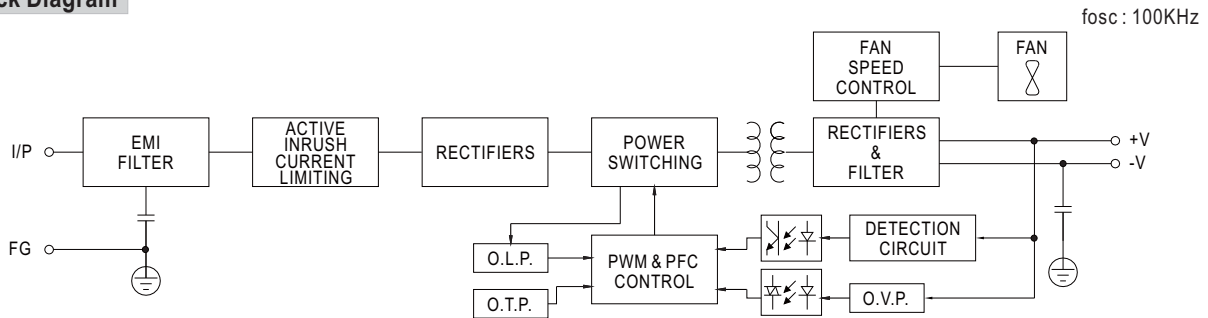
Case No. 912G Unit:mm



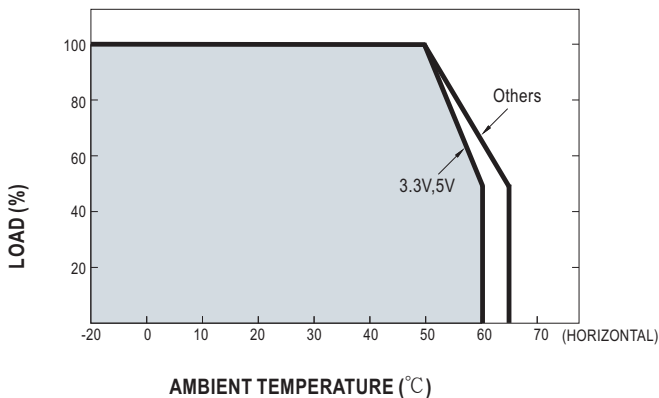
Terminal Pin No. Assignment :

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4~6	DC OUTPUT -V
2	AC/N	7~9	DC OUTPUT +V
3	FG $\perp$		

### Block Diagram



### Derating Curve



### Static Characteristics

