P c SUs A BANKET CBCE





(as available on http://www.meanwell.com)

■ Features :

- Universal AC input / Full range
- Built-in active PFC function, PF>0.93
- Protections: Short circuit / Overload / Over voltage
- Built-in constant current limiting circuit
- Low profile: 33mm thickness
- LED indicator for power on
- 100% full load burn-in test
- Fixed switching frequency at PFC:67KHz PWM:134KHz
- 3 years warranty

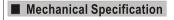
SPECIFICATION

MODEL		SP-75-3.3	SP-75-5	SP-75-7.5	SP-75-12	SP-75-13.5	SP-75-15	SP-75-24	SP-75-27	SP-75-48
	DC VOLTAGE	3.3V	5V	7.5V	12V	13.5V	15V	24V	27V	48V
OUTPUT	RATED CURRENT	15A	15A	10A	6.3A	5.6A	5A	3.2A	2.8A	1.6A
	CURRENT RANGE	0 ~ 15A	0 ~ 15A	0 ~ 10A	0 ~ 6.3A	0 ~ 5.6A	0 ~ 5A	0 ~ 3.2A	0 ~ 2.8A	0 ~ 1.6A
	RATED POWER	49.5W	75W	75W	75.6W	75.6W	75W	76.8W	75.6W	76.8W
	RIPPLE & NOISE (max.) Note.2	80mVp-p	80mVp-p	80mVp-p	80mVp-p	80mVp-p	80mVp-p	100mVp-p	100mVp-p	100mVp-p
	VOLTAGE ADJ. RANGE	3.14 ~ 3.63V	4.75 ~ 5.5V	7.13 ~ 8.25V	11.4 ~ 13.2V	12.8 ~ 14.9V	14.3 ~ 16.5V	22.8 ~ 26.4V	25.7 ~ 29.7V	45.6 ~ 52.8
	VOLTAGE TOLERANCE Note.3	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±1.0%	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	SETUP, RISE TIME	800ms, 60ms at full load								
	HOLD UP TIME (Typ.)	36ms at full load								
	VOLTAGE RANGE Note.5	85 ~ 264VAC 120 ~ 370VDC								
INPUT	FREQUENCY RANGE	47 ~ 63Hz								
	POWER FACTOR (Typ.)	PF>0.93/230VAC 0.96/115VAC at full load								
	EFFICIENCY (Typ.)	70%	76%	79%	81%	82%	82%	83%	83%	83%
	AC CURRENT (Typ.)	1.3A/115VAC	0.7A/230\	/AC						
	INRUSH CURRENT (Typ.)	COLD START 45A/230VAC								
	LEAKAGE CURRENT	<2mA / 240VAC								
	AV.	105 ~ 150% rated output power								
PROTECTION	OVERLOAD	Protection type: Constant current limiting, recovers automatically after fault condition is removed								
PROTECTION	OVER VOLTAGE	3.8 ~ 4.46V 5.75 ~ 6.75V 8.63 ~ 10.13V 13.8 ~ 16.2V 15.53 ~ 18.23V 17.25 ~ 20.25V 27.6 ~ 32.4V 31.05 ~ 36.45V 55.2 ~ 64.8V								
		Protection type : Shut down o/p voltage, re-power on to recover								
FUNCTION	REMOTE CONTROL(OPTION)	CN3:4 ~ 10VDC POWER OFF, <0 ~ 0.8VDC POWER ON								
	WORKING TEMP.	-10 ~ +60 ℃ (Refer to output load derating curve)								
ENVIRONMENT	WORKING HUMIDITY	20 ~ 90% RH non-condensing								
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH								
	TEMP. COEFFICIENT	±0.05%/°C (0~50°C)								
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes								
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved								
CAFETY	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC								
SAFETY &	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH								
EMC (Note 4)	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B,EN61000-3-2,-3								
(.1010 4)	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A								
OTHERS	MTBF	208.8K hrs min. MIL-HDBK-217F (25°C)								
	DIMENSION	179*97*33mm	n (L*W*H)							
	PACKING	0.58Kg; 20pcs/12Kg/0.64CUFT								
NOTE	 Ripple & noise are measure Tolerance : includes set up The power supply is considered 	ecially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. sured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. up tolerance, line regulation and load regulation. sidered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets								

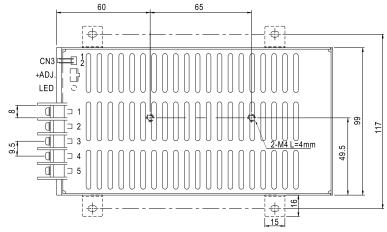
EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."

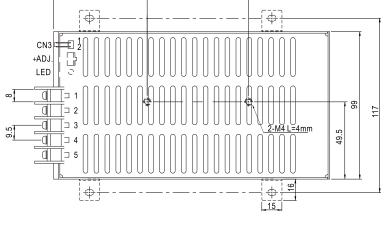
5. Derating may be needed under low input voltages. Please check the derating curve for more details.





Case No. 920A Unit:mm



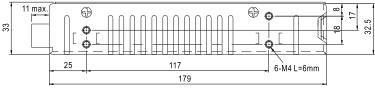


Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	DC OUTPUT +V	4	AC/N
2	DC OUTPUT -V	5	AC/L
3	FG ±		

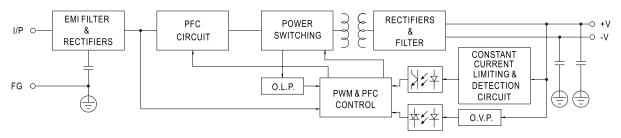
Remote ON/OFF(CN3): Molex 5046-02 or equivalent(optional)

Pin No.	Assignment	Mating Housing	Terminal
1	RC-	Molex 5051	Molex 2759
2	RC+	or equivalent	or equivalent



■ Block Diagram

PFC fosc: 67KHz PWM fosc: 134KHz



■ Derating Curve

■ Output Derating VS Input Voltage

