



■ Features :

- AC input range selectable by switch
- Protections: Short circuit / Overload / Over voltage/ Over temperature
- Cooling by free air convection
- Withstand 300vac surge input for 5 second
- Built-in constant current limiting circuit
- 100% full load burn-in test
- LED indicator for power on
- Fixed switching frequency at 90KHz
- Low cost,high reliability
- 2 years warranty



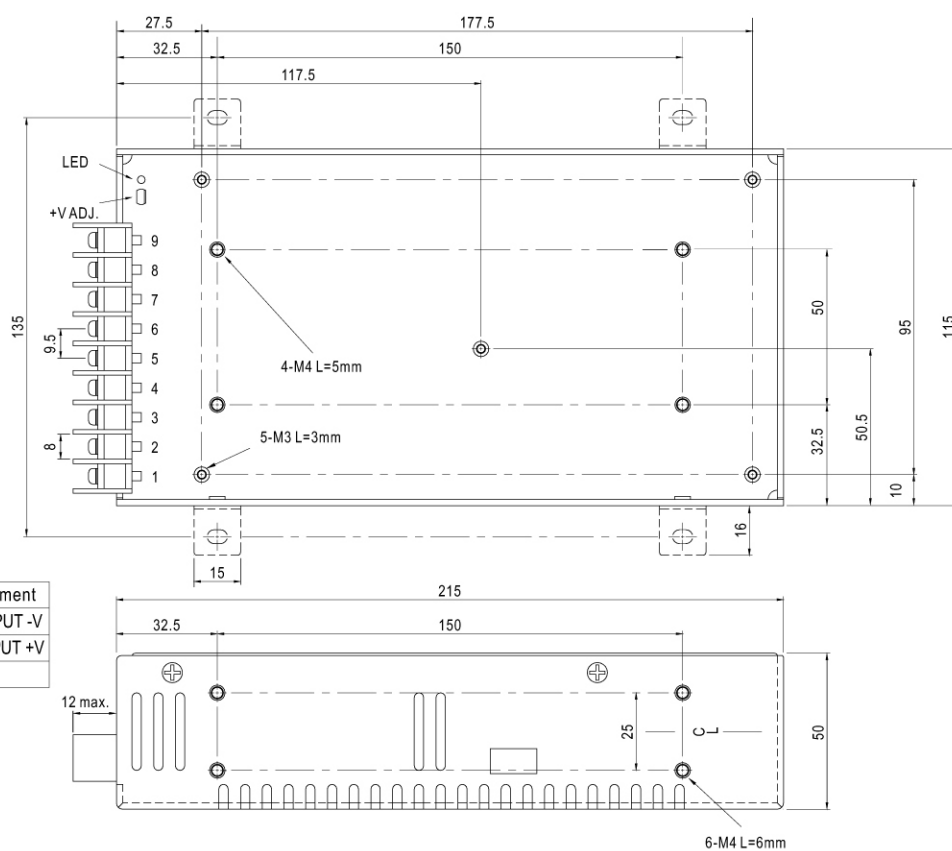
SPECIFICATION

MODEL		NES-200-3.3	NES-200-5	NES-200-7.5	NES-200-12	NES-200-15	NES-200-24	NES-200-27	NES-200-36	NES-200-48
OUTPUT	DC VOLTAGE	3.3V	5V	7.5V	12V	15V	24V	27V	36V	48V
	RATED CURRENT	40A	40A	27A	17A	14A	8.8A	7.8A	5.9A	4.4A
	CURRENT RANGE	0 ~ 40A	0 ~ 40A	0 ~ 27A	0 ~ 17A	0 ~ 14A	0 ~ 8.8A	0 ~ 7.8A	0 ~ 5.9A	0 ~ 4.4A
	RATED POWER	132W	200W	202.5W	204W	210W	211.2W	210.6W	212.4W	211.2W
	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	240mVp-p	240mVp-p
	VOLTAGE ADJ. RANGE	2.97 ~ 3.7V	4.5 ~ 5.6V	6 ~ 9V	10 ~ 13.5V	13.5 ~ 18V	20 ~ 26.4V	26 ~ 32V	32 ~ 40V	41 ~ 56V
	VOLTAGE TOLERANCE Note.3	±2.0%	±2.0%	±2.0%	±1.0%	±1.0%	±1.0%	±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	±1.5%	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
INPUT	SETUP, RISE TIME	1000ms, 50ms/230VAC 1000ms, 50ms/115VAC at full load								
	HOLD UP TIME	20ms/230VAC 16ms/115VAC at full load								
	VOLTAGE RANGE Note.4	90 ~ 132VAC / 180 ~ 264VAC by switch 254 ~ 370VDC								
	FREQUENCY RANGE	47 ~ 63Hz								
	EFFICIENCY (Typ.)	75%	79%	82%	85%	85%	87%	88%	89%	89%
	AC CURRENT	4.5A/115VAC 2.5A/230VAC								
PROTECTION	INRUSH CURRENT (max.)	40A/115VAC 55A/230VAC								
	LEAKAGE CURRENT	<3.5mA / 240VAC								
	OVER LOAD	105 ~ 150% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed								
	OVER VOLTAGE	3.8 ~ 4.9V	5.75 ~ 7.0V	9.4 ~ 10.9V	13.8 ~ 16.2V	18 ~ 21V	27.6 ~ 32.4V	33.7 ~ 39.2V	41.4 ~ 46.8V	57.6 ~ 67.2V
ENVIRONMENT	OVER TEMPERATURE	95°C±5°C (3.3V); 100°C±5°C (5V); 90°C±5°C (7.5V); 85°C±5°C (12~24V); 80°C±5°C (27~36V); 75°C±5°C (48V) (TSW1) Detect on case Protection type : Shut down O/P voltage, recovers automatically after temperature goes down								
	WORKING TEMP.	-20 ~ +50°C (Refer to output load derating curve)								
	WORKING HUMIDITY	20 ~ 90% RH non-condensing								
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH								
SAFETY	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)								
	VIBRATION	10 ~ 500Hz, 3G 10min./1cycle, 60min. each along X, Y, Z axes								
	SAFETY STANDARDS	UL60950-1 approved								
OTHERS	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC								
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH								
	MTBF	271.9K hrs min. MIL-HDBK-217F (25°C)								
NOTE	DIMENSION	215*115*50mm (L*W*H)								
	PACKING	0.93Kg; 12pcs/12Kg/0.92CUFT								

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
3. Tolerance : includes set up tolerance, line regulation and load regulation.
4. Please connect positive pole of input voltage with mark "N" of terminal block, connect negative pole of input voltage with mark "L" of terminal block, using DC voltage for input voltage.

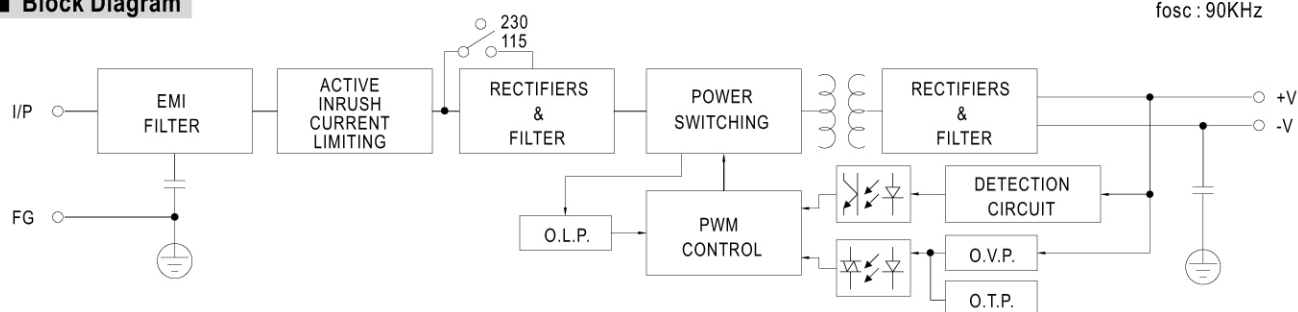
■ Mechanical Specification

Case No. 912E Unit:mm

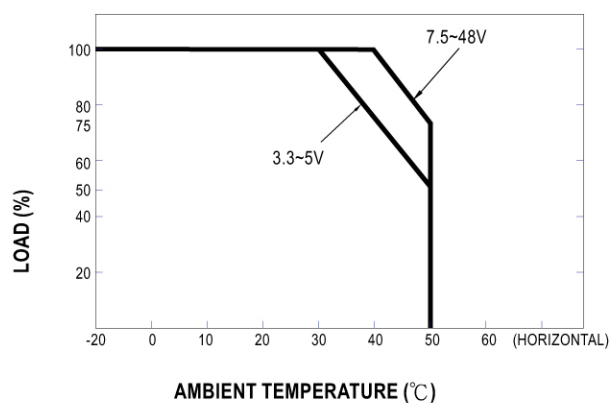


fosc : 90KHz

■ Block Diagram



Derating Curve



■ Static Characteristics

