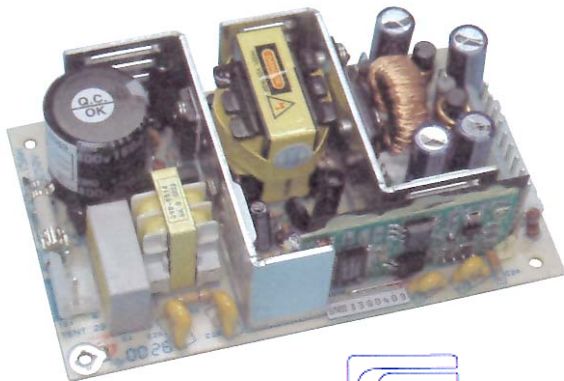




Telecommunication (Universal)

**50W - 60W
SNP-NXXX series**



Description:

The SNP-NXXX series is 50W-60W, universal input switching mode power supply, which is designed specially for the application of Net Work. It is with the following safety approvals.

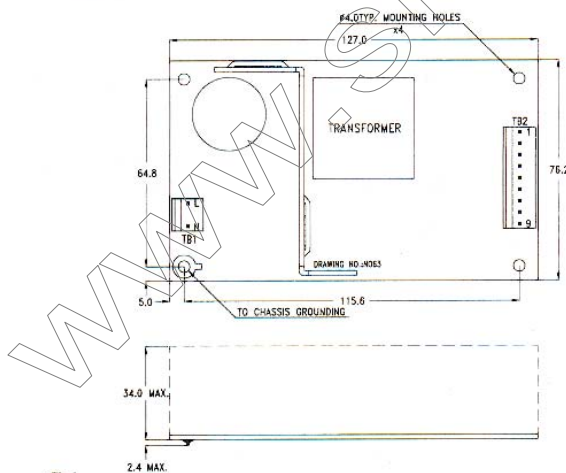
- 1) UL, C-UL file number : E207942
E132267
- 2) TUV file number : R2054977.01
R9853104.01
R2056537.01

General Specifications:

Input voltage	85VAC to 264VAC	Short circuit protection	Auto-recovery
Input frequency	47Hz to 63Hz	Over voltage protection	Crowbar
Inrush current (cold start)	less than 30A at 115VAC less than 60A at 230VAC	Operating temperature	0 to 50°C, rated load
Outputs	see output table	Cooling	Free air convection
Efficiency	>70%	Storage temperature	-20°C to +85°C
	at rated load and 115VAC	Ripple and noise	< 1%
Hold up time	20mS typ. at 115VAC	EMI conduction standard	CISPR 22 "B"
Over load protection	Auto-recovery	Safety	Meet UL 1950 CSA 22.2 No. 243 VDE EN 60 950

Mechanical Specifications:

SNP-N063



NOTE:

1. Dimensions shown in mm (inch) as left.
Tolerance specified is ± 0.4 mm between mounting holes, and ± 0.8 mm for other dimension.
2. Size:
76.2 x 127 x 32 ~ 38 (mm)
3 x 5 x 1.25 ~ 1.5 (inch)
3. Mounting holes:
64.8 x 115.6 (mm)
2.55 x 4.55 (inch)
4. Connectors:
TB1 -- Molex 5277-02A or equivalent for SNP-N063, -N63B, -N63F
Molex 5273-05A withdraw 2 pins or equivalent for SNP-N563
TB2 -- Molex 5273-10A or equivalent for SNP-N563
Molex 5273-09A or equivalent for SNP-N063
Molex 5273-06A or equivalent for SNP-N63B, -N63F
TB3 -- For FAN use only :
Molex 5045-02A or equivalent for SNP-N63F



5. TB2 Assignment

Pin Model	1	2	3	4	5	6	7	8	9	10
SNP-N563	+5V	+5V	+5V	GND	GND	GND	GND	+3.3V	+3.3V	+3.3V
SNP-N063	+5V	+3.3V	+3.3V	+3.3V	+3.3V	GND	GND	GND	GND	
SNP-N63B	+3.3V	+3.3V	+3.3V	GND	GND	GND				
SNP-N63F	+3.3V	+3.3V	+3.3V	GND	GND	GND				

Output Specifications:

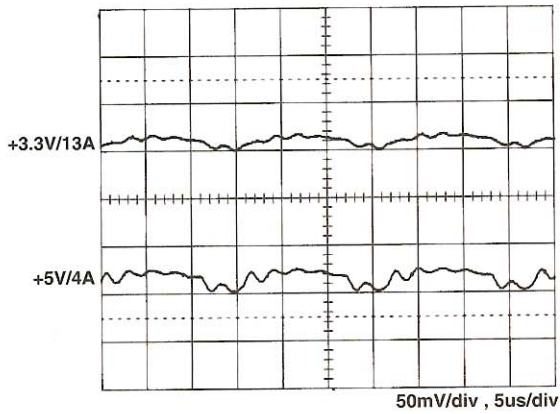
MODEL NO.	OUTPUT RAIL	LOAD			VOLTAGE ACCURACY	RIPPLE NOISE	LINE REG.	LOAD REG.
		MIN.	RATED	PEAK				
SNP-N063	+5V	0A	4 A		+4.75V~+5.30V	50mV	±1%	±5%
	+3.3V	1A	13A		+3.20V~+3.40V	50mV	±1%	±2%
SNP-N563	+3.3V	0.5A	6A		+3.20V~+3.40V	50mV	±1%	±3%
	+5V	0.5A	8A		+4.75V~+5.25V	50mV	±1%	+5%
SNP-N63B	+3.3V	0.5A	10A		+3.20V~+3.40V	50mV	±1%	±1%
SNP-N63F	+3.3V	0.5A	10A		+3.20V~+3.40V	50mV	±1%	±1%
	+12V	0A	0.7A		+11.00V~+13.00V	120mV	±2%	±5%

Notes:

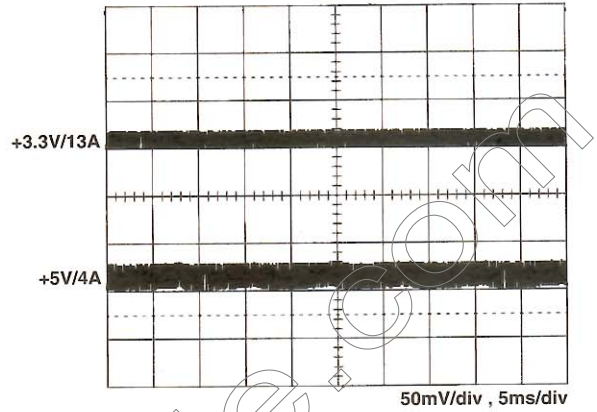
1. Each output can provide up to peak load temporarily. Continuous staying in more than rated load is not allowed.
2. At factory, all outputs in 60% rated load condition, each output is checked to be within the accuracy range while the main output is setting to within the specified accuracy range at rated load.
3. Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
4. Load regulation is defined by changing $\pm 40\%$ of measured output load from 60% rated load at another output set to 60% rated load.
5. Ripple & noise is measured by using 15MHz bandwidth limited oscilloscope and terminated each output with a 0.47uF capacitor at rated load and nominal line.
6. Hold up time is measured from the end of the last charging pulse to the time which the main output drop down to regulation limit at rated load and nominal line.
7. Rated load is maximum loading for flat mounting and free air convection cooling.

Performance for SNP-N063:

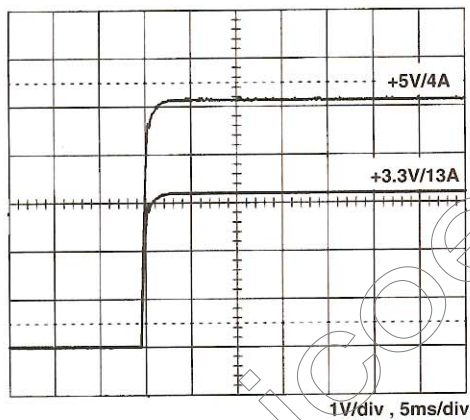
1. Switching frequency ripple



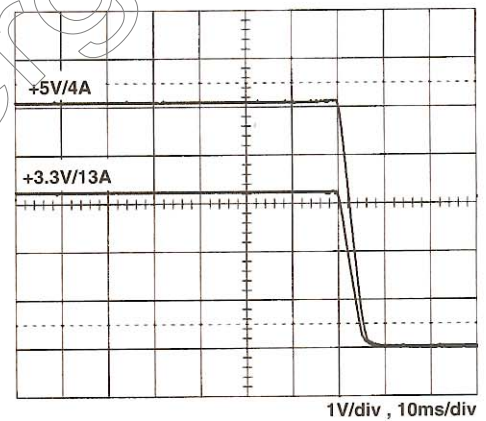
2. Line frequency ripple



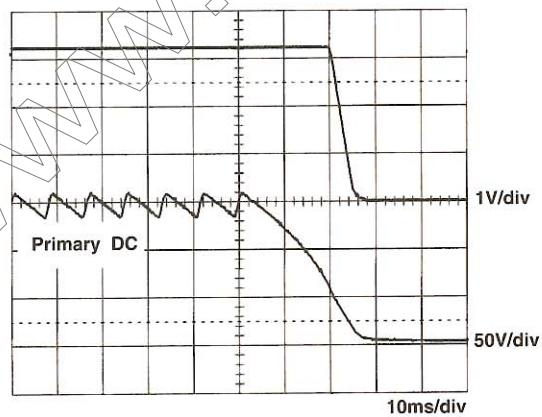
3. Output turn on wave form



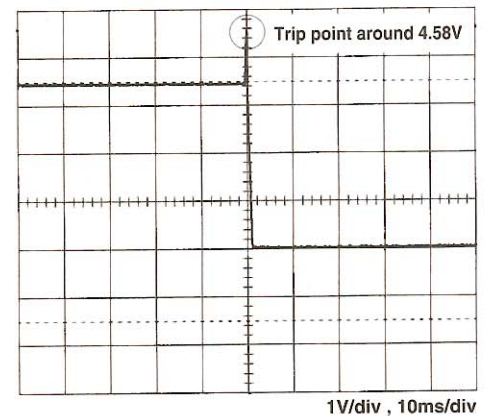
4. Output turn off wave form



5. Hold-up time

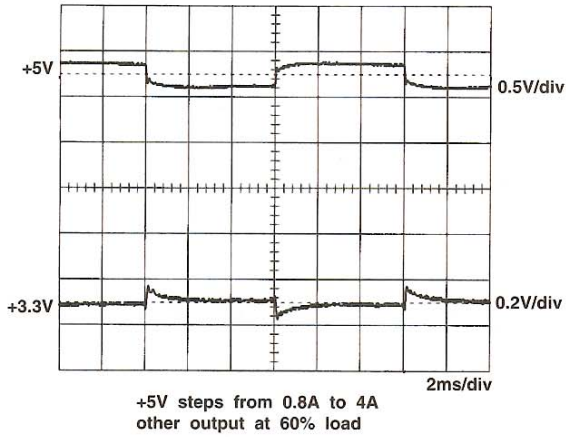


6. Over voltage protection

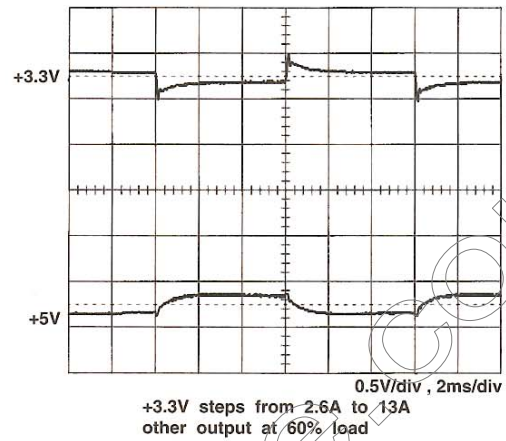




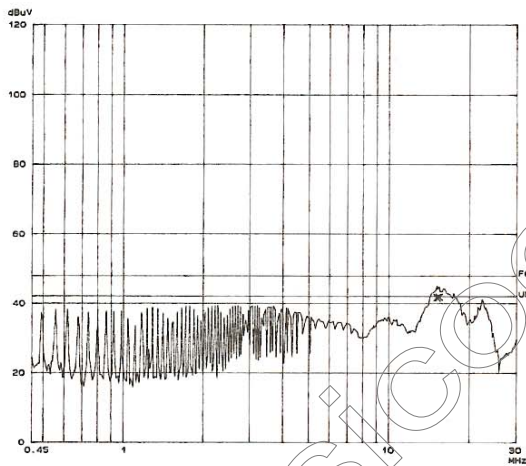
7. +5V step response



8. +3.3V step response



9. FCC B



10. CISPR 22B

