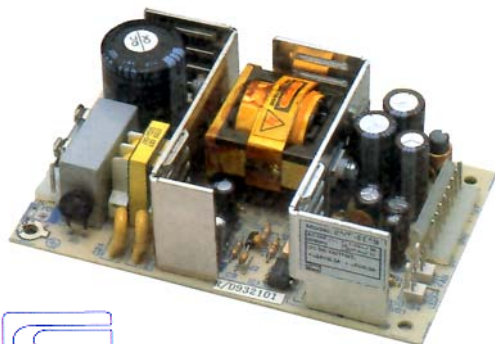




Description:

SNP-906 series is a 65 watts, universal input switching mode power supply. It is with various output options. SNP-9063 is intended for disk drive application. SNP-9067 and SNP-9069 are intended for power device like motor or solenoid application. Build in +5V 3T-regulator for SNP-9067 and SNP-9069 is for if there is a logical control circuit.

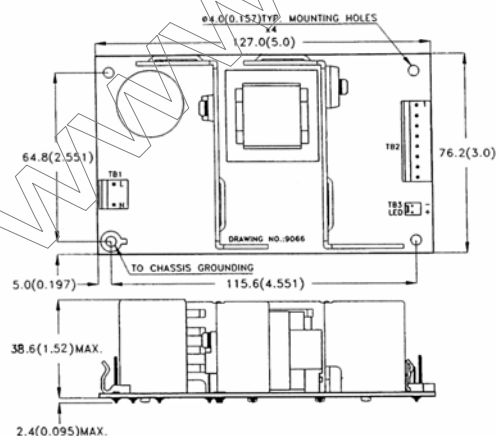
General Specifications:

Input voltage85VAC to 270VAC
Input frequency.....47Hz to 63Hz
Inrush current less than 30A at 115VAC
(Cold start) less than 60A at 230VAC
Outputssee output table
Efficiency higher than 70%
at rated load and 115VAC
Hold up time longer than 16ms
at rated load and 115VAC
Over load protection latch off

Short circuit protection latch off
Over voltage protection latch off
Operating temperature (open frame type) 0 to 50°C
Cooling Free air convection
Storage temperature -40°C to +85°C
EMI conduction standard FCC class "B"
Vfg 243/1991
Safety UL 1950 D3
CSA 22.2 No.234
VDE EN60 950

Mechanical Specifications:

SNP-9066



Notes:

- Dimensions shown in mm (inch) as above. Tolerance specified is ± 0.4 mm.
- PCB size:
76.2 X 127.0 mm
3" X 5"
- Mounting holes:
64.8 X 115.6 mm
2.551" X 4.551"
- Connectors
 - TB1 - AC input : Molex 5277-2 or equivalent for all models
 - TB2 - DC output : Molex 5273-8 or equivalent for all models
 - TB3 - for FAN : Molex 5045-2 or equivalent for SNP-9061, -9063, -9067, -9069
 - TB3 - for LED : Molex 5045-2 or equivalent for SNP-9066
 - TB4 - for LED : Molex 5045-2 or equivalent for SNP-9063, -9067, -9068, -9069

TB2 Pin assignment:

PIN NO.	1	2	3	4	5	6	7	8
SNP-9061	+5V	+5V	GND	GND	+12V	+12V	-12V	NC
SNP-9063	+5V	+5V	GND	GND	GND	GND	+12V	+12V
SNP-9066	+5V	+5V	+5V	+5V	GND	GND	GND	GND
SNP-9067	+12V	+12V	+12V	GND	GND	GND	GND	+5V
SNP-9068	+15V	+15V	+15V	GND	GND	GND	GND	+5V
SNP-9069	+24V	+24V	+24V	GND	GND	GND	GND	+5V



Output Specifications:

MODEL NO.	OUTPUT RAIL	LOAD			VOLTAGE ACCURACY	RIPPLE NOISE	LINE REG.	LOAD REG.
		MIN.	RATED	PEAK				
SNP-9061	+5V	0A	3.5A	5A	+4.95~+5.05V	1%	±1%	±3%
	+12V	0A	4A	11A	+11.4~+12.6V	1%	±1%	±3%
	-12V	0A	0.3A		-11.4~-12.6V	1%	±1%	±5%
SNP-9063	+5V	0A	3.5A	5A	+4.95~+5.05V	1%	±1%	±3%
	+12V	0A	4A	11A	+11.4~+12.6V	1%	±1%	±5%
SNP-9066	+5V	0A	13A		+4.95~+5.05V	1%	±1%	±1%
SNP-9067	+12V	0A	5A	12A	+11.88~+12.12V	1%	±1%	±1%
	+5V	0A	0.5A		+4.75~+5.25V	1%	±1%	±5%
SNP-9068	+15V	0A	4A		+14.85~+15.15V	1%	±1%	±1%
	+5V	0A	0.5A		+4.75~+5.25V	1%	±1%	±5%
SNP-9069	+24V	0A	2.5A	6A	+23.76~+24.24V	1%	±1%	±1%
	+5V	0A	0.5A		+4.75~+5.25V	1%	±1%	±5%

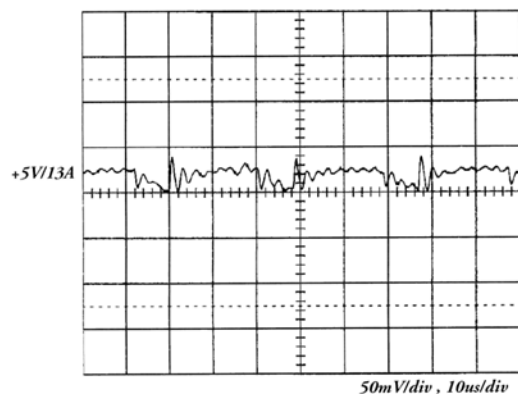
Note:

- Each output can provide up to peak load temporarily. Continuous staying in more than rated load is not allowed.
- 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.
- Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
- Load regulation is defined by changing ±40% of measured output load from 60% rated load at another output set to 60% rated load.
- Ripple & noise is measured by using 15MHz bandwidth limited oscilloscope and terminated each output with a 0.47µF capacitor at rated load and nominal line.
- 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.
- Rated load is maximum loading for flat mounting and free air convection cooling.
- Performance of turn on peak power is shown in figure 9, page 4-4. Rising edge means power on, falling edge means over load protection happened.

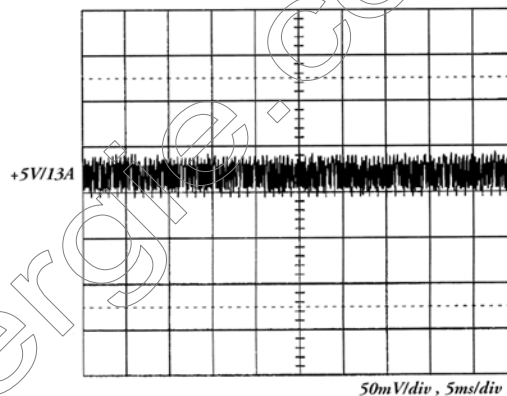


Performance for SNP-9066:

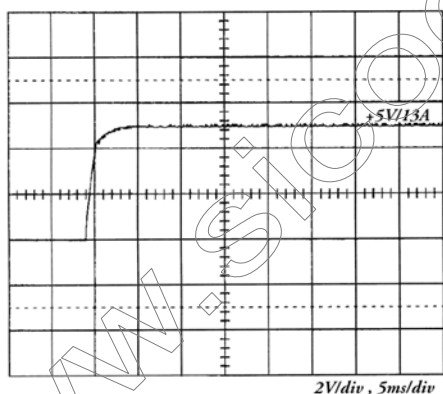
1. Switching frequency ripple



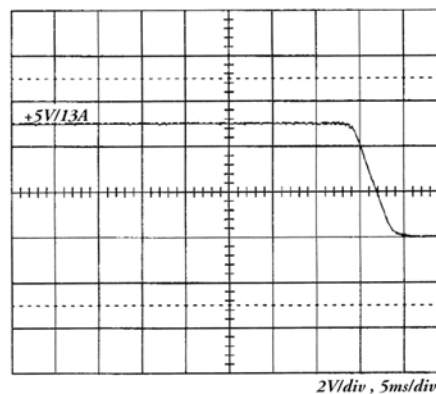
2. Line frequency ripple



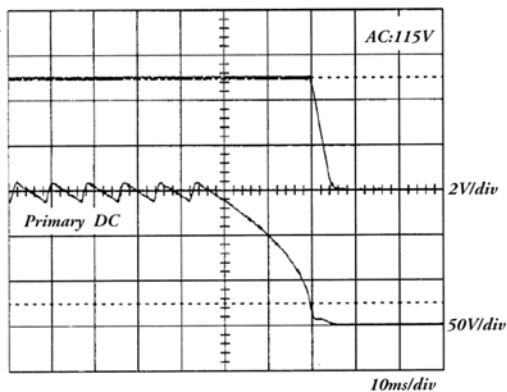
3. Output turn on wave form



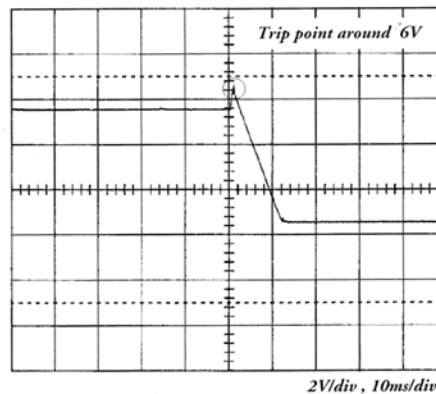
4. Output turn off wave form



5. Hold-up time

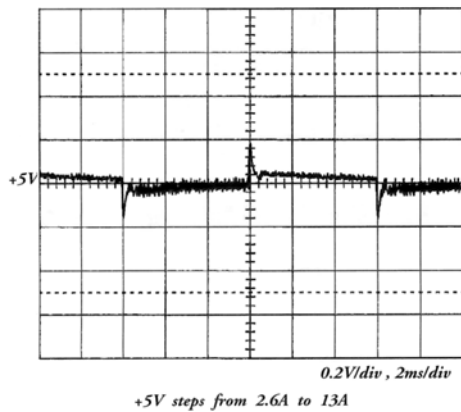


6. Over voltage protection

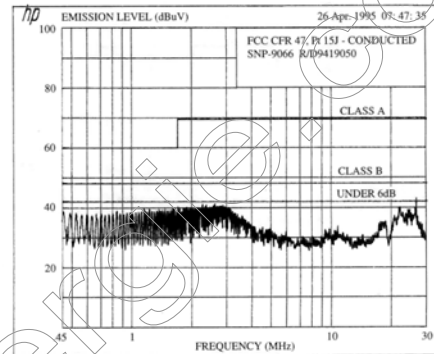




7. +5V step response



8. FCC B



9. Vfg 243

