

**80 WATTS CONVECTION
100 WATTS WITH 18CFM
110 WATTS PEAK (5 SECS)**



2" x 4" x 1.12"

- Design for BF application
- Meet 2 X MOPP and Contact Leakage < 100uA
- Safety Class II & EMI Class B
- Follow ErP Directive of EU
- High mechanical torque start-up
- -40°C to +70°C operating temperature
- 5,000m operation altitude
- Convection cooling for rated load
- Forced air for max. load

Power supplies which require <0.5W standby mode will create audible burst sound at light load. Suffix A designate no burst sound by removing standby mode operation at 0.5W (which is the stocking standard part number). If Standby mode with audible burst noise is required, remove suffix A (minimum quantities may apply).

Models with no burst sound at low load (STOCKING STANDARD)

MODELS	Vout	Load Convection	Load with 18cfm	Peak Load	Efficiency
SNP-HF87-A	12.0V	6.66A	7.50A	9.00A	86.00%
SNP-HF88-A	15.0V	5.33A	6.66A	8.00A	86.00%
SNP-HF89-A	24.0V	3.33A	4.60A	5.30A	86.00%
SNP-HF8T-A	48.0V	1.67A	2.10A	2.30A	86.00%

Models with <0.5W No Load Power Consumption (BUILD-TO-ORDER)

MODELS	Vout	Load Convection	Load with 18cfm	Peak Load	Efficiency
SNP-HF87	12.0V	6.66A	7.50A	9.00A	86.00%
SNP-HF88	15.0V	5.33A	6.66A	8.00A	86.00%
SNP-HF89	24.0V	3.33A	4.60A	5.30A	86.00%
SNP-HF8T	48.0V	1.67A	2.10A	2.30A	86.00%

Note:

1. Output Load: 80W for convection cooling; 100W for 18cfm forced air cooling.
2. Peak Load Duration: Peak 110W can last for 5 sec.
3. Isolation Grade:
Primary Ground : 1MOPP (1500Vac)
Primary Secondary : 2MOPP (4000Vac)
Secondary Ground : 1MOPP (1500Vac)
4. Earth leakage current < 300uA, Touch current < 100uA
5. EMI Grounding: If there is a metal sheet under the power supply, connect the EMI ground to the metal sheet.

Specifications are subject to change without notice. It is responsibility of each customer to thoroughly test each product and part number under their unique parameters and environments to ensure a product will work properly and reliably.

Click below for more details, to buy on-line or request volume pricing:
<http://power.sager.com/skynet-SNP-HF8-power-supply.html>

(866) 588-1750
power@sager.com
<http://power.sager.com>

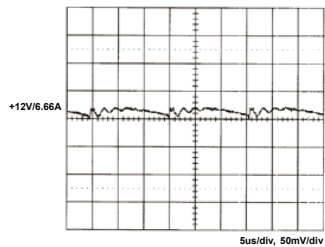
General Specifications:

Input voltage 90 VAC to 264 VAC
 Input frequency 47 Hz to 63 Hz
 Inrush current < 30/60A at 115/230VAC
 Hold up time 16ms
 Over load/Short circuit protection auto recovery
 Over voltage protection latch off
 Operating temperature -40°C to 70°C
 derating: 2.5% / °C > 50°C for convection cooling
 Storage temperature -40°C to +85°C

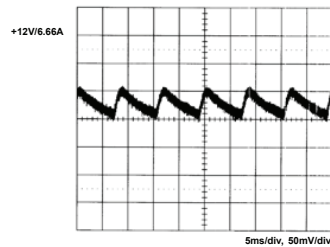
EMI EN55011 "B", EN61000-3-3
 Harmonics..... EN61000-3-2, class A
 EMS..... EN61000-4-2,-3,-4,-5,-6,-8,-11
 Safety UL/CSA/EN60950-1, 2nd edition
 ANSI/AMMI/CSA/EN60601-1, 3.1 edition
 CB report, CE mark, RM report/file
 Energy Saving ENERGY STAR
 for computers version 6.0
 for displays version 6.0
 ErP regulation EC(No) 1275/2008

Performance for SNP-HF87-A:

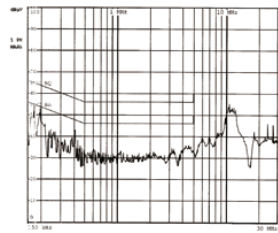
1. Switching frequency ripple



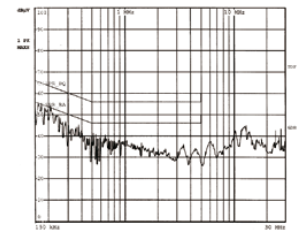
2. Line frequency ripple



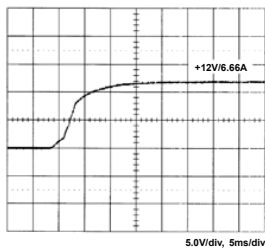
7. FCC B Class I



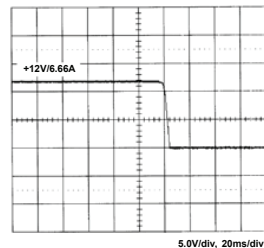
8. EN55011 22 B Class I



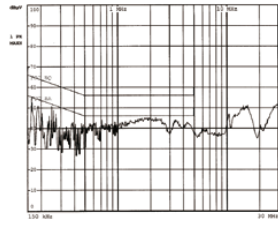
3. Output turn on wave form



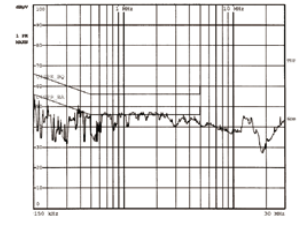
4. Output turn off wave form



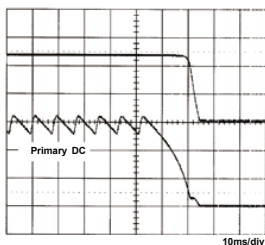
9. FCC B Class II



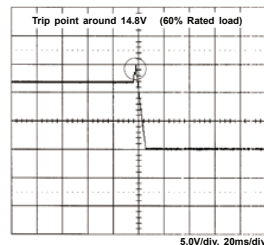
10. EN55011 22 B Class II



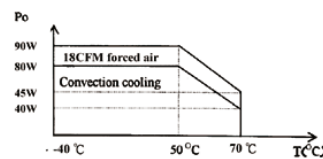
5. Hold-up time



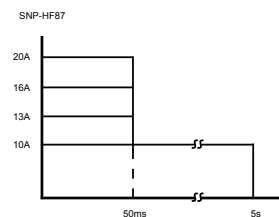
6. Over voltage protection



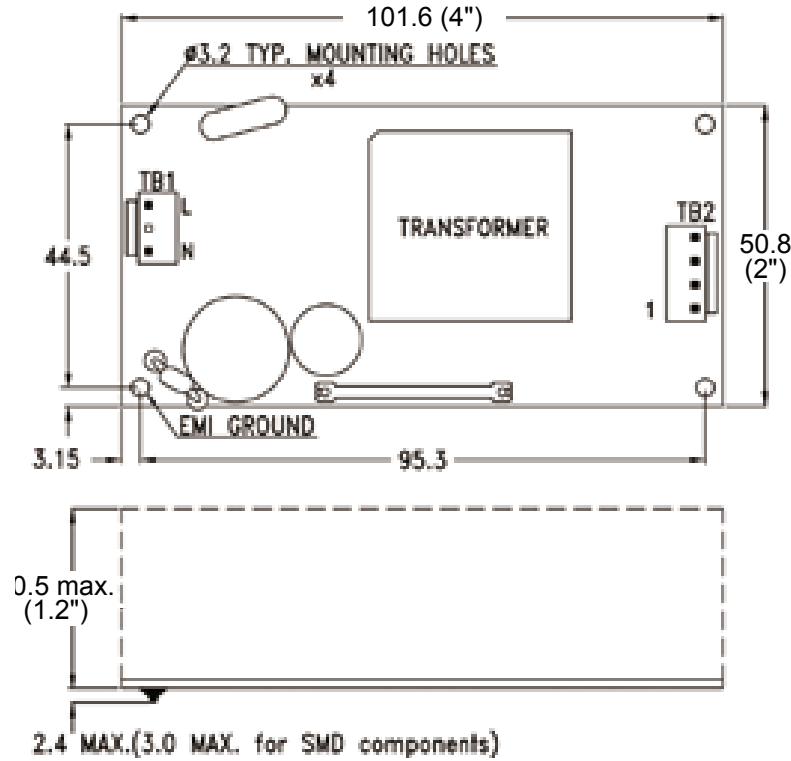
11. Power derating curve



12. Torque capability



MECHANICAL DRAWING



Notes:

1. Size:
2" x 4" x 1.12"
2. Mounting Hole:
44.5 x 95.3 (mm)
3. Connectors:
AC input: JST B2P3-VH or Molex 5277-02A or equivalent
DC output: JST B4P-VH or Molex 5273-04A or equivalent
4. Output Pin assignment:

1	2	3	4
Vo	Vo	GND	GND

5. Packing:
Net weight: 160 g approx. / unit
Gross weight: 15 kg approx. / carton, 80 units / carton
Carton size (mm): 382 (L) x 374 (W) x 277 (H)