

**30 WATTS CONVECTION  
36 WATTS WITH 18CFM  
45 WATTS PEAK (5 SECS)**



**1.57" x 2.76" x 0.93"**

- **10 YEAR WARRANTY!**
- 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-HF37-A	12.0V	2.5A	3.00A	3.80A	86.00%
SNP-HF38-A	15.0V	2.00A	2.40A	3.00A	86.00%
SNP-HF39-A	24.0V	1.25A	1.50A	1.90A	86.00%
SNP-HF3T-A	48.0V	0.63A	0.75A	1.00A	86.00%

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

MODELS	Vout	Load Convection	Load with 18cfm	Peak Load	Efficiency
SNP-HF37	12.0V	2.5A	3.00A	3.80A	86.00%
SNP-HF38	15.0V	2.00A	2.40A	3.00A	86.00%
SNP-HF39	24.0V	1.25A	1.50A	1.90A	86.00%
SNP-HF3T	48.0V	0.63A	0.75A	1.00A	86.00%

**Note:**

1. Output Load: 30W for convection cooling; 40W for 18cfm forced air cooling.
  3. Peak Load Duration: Peak 45W can last for 5 sec.
- Engineering Specification:  
Detailed specification and relative test method are mentioned in engineering specification. For business, engineering specification by model must be used

4. Isolation Grade:  
Primary Ground : 1MOPP (1500Vac)  
Primary Secondary : 2MOPP (4000Vac)  
Secondary Ground : 1MOPP (1500Vac)
5. Earth leakage current < 300uA, Touch current < 100uA
6. 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-HF3-power-supply.html>

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

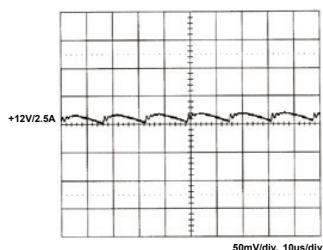
## General Specifications:

Input voltage ..... 90 VAC to 264 VAC  
 Input frequency ..... 47 Hz to 63 Hz  
 Inrush current ..... < 40/80A 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  
 Storage temperature ..... -40°C to +85°C

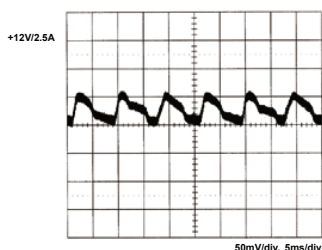
EMI ..... EN55011 "B", EN61000-3-3  
 Harmonics..... EN61000-3-2, class A  
 EMS..... EN61000-4-2,-3,-4,-5,-6,-8,-11  
 Safety ..... UL/CSA/EN60950-1, 2<sup>nd</sup> edition  
 ANSI/AMMI/CSA/EN60601-1, 3.1 edition  
 CB report, CE mark, RM report/file  
 Energy Saving ..... ENERGY STAR  
 for computers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

### Performance for SNP-HF37-A:

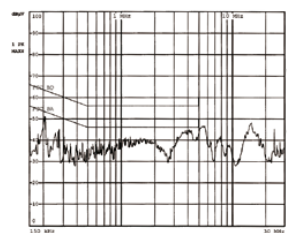
1. Switching frequency ripple



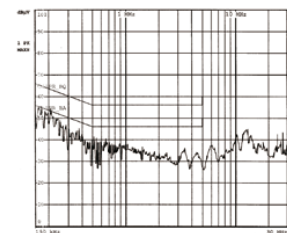
2. Line frequency ripple



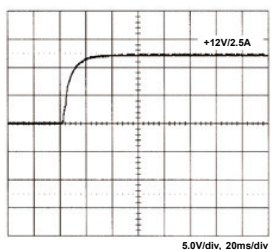
7. FCC B Class I



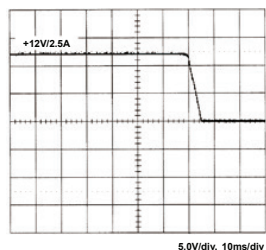
8. EN55011 22 B Class I



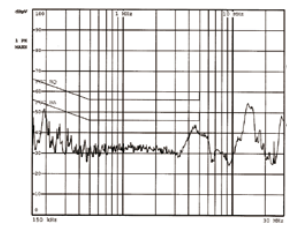
3. Output turn on wave form



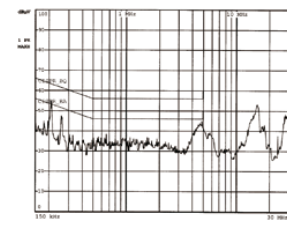
4. Output turn off wave form



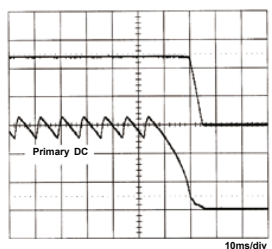
9. FCC B Class II



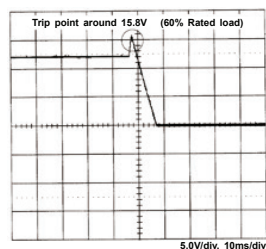
10. EN55011 22 B Class II



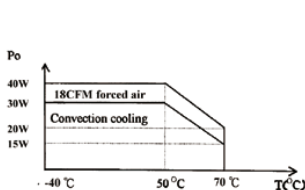
5. Hold-up time



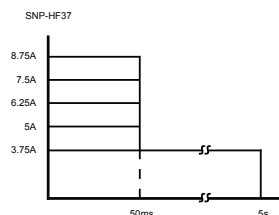
6. Over voltage protection



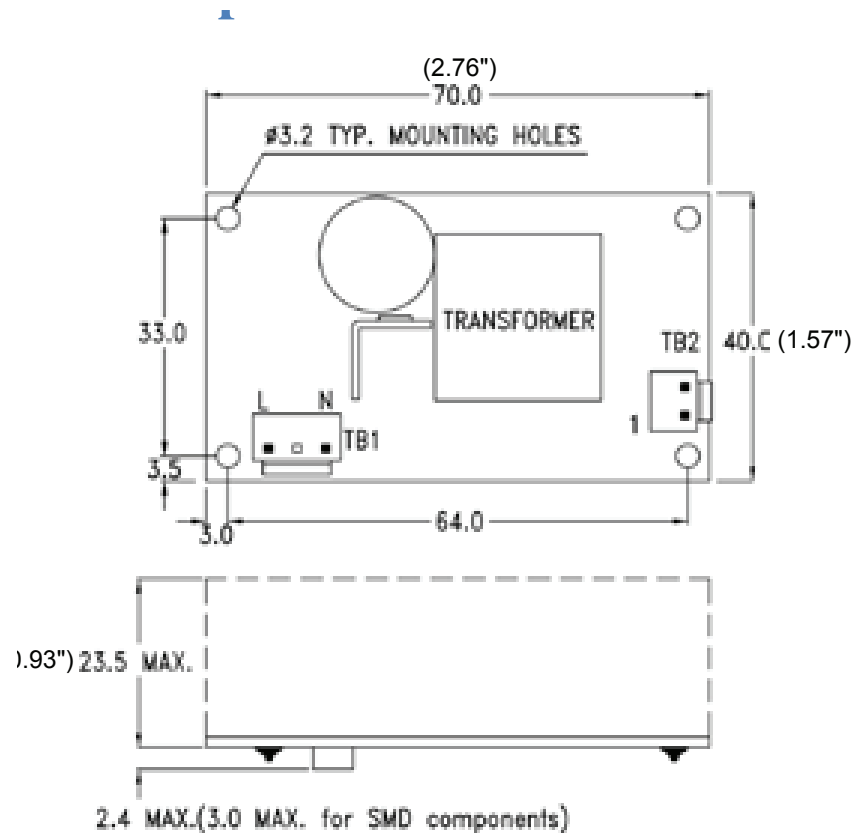
11. Power derating curve



12. Torque capability



**MECHANICAL DRAWING**



**Notes:**

1. Size:  
1.57" x 2.76" x 0.93"
2. Mounting Hole:  
33 x 64 (mm)
3. Connectors:  
AC input: JST B2P3-VH or Molex 5277-02A or equivalent  
DC output: JST B2P-VH or Molex 5273-02A or equivalent
4. Output Pin assignment:

1	2
Vo	GND

5. Packing:  
Net weight: 61 g approx. / unit  
Gross weight: 12 kg approx. / carton, 150 units / carton  
Carton size (mm): 412 (L) x 327 (W) x 283 (H)