

**60 WATTS CONVECTION
72 WATTS WITH 18CFM
96 WATTS PEAK (5 SECS)**



2" x 3.17" x 0.95"

Features:

- 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-HF67-A	12.0V	5.00A	6.00A	8.00A	87.00%
SNP-HF68-A	15.0V	4.00A	4.80A	6.10A	87.00%
SNP-HF69-A	24.0V	2.50A	3.00A	4.00A	87.00%
SNP-HF6T-A	48.0V	1.30A	1.50A	2.00A	87.00%

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

MODELS	Vout	Load Convection	Load with 18cfm	Peak Load	Efficiency
SNP-HF67	12.0V	5.00A	6.00A	8.00A	87.00%
SNP-HF68	15.0V	4.00A	4.80A	6.10A	87.00%
SNP-HF69	24.0V	2.50A	3.00A	4.00A	87.00%
SNP-HF6T	48.0V	1.30A	1.50A	2.00A	87.00%

Note:

1. Output Load: 60W for convection cooling; 72W for 18cfm forced air cooling.
2. Peak Load Duration: Peak 96W 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.

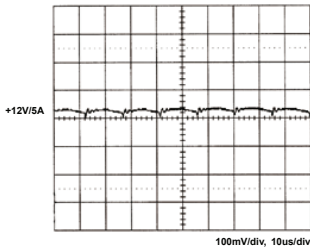
General Specifications:

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
 Storage temperature -40°C to +85°C

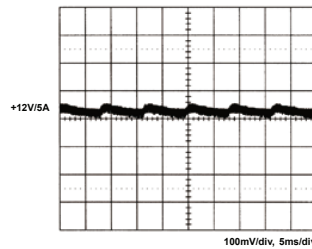
EMI EN55011 "B", EN61000-3-3
 Harmonics.....EN61000-3-2, class A
 EMS..... EN61000-4-2,-3,-4,-5,-6,-8,-11
 SafetyUL/CSA/EN60950-1, 2nd edition
 ANSI/AMMI/CSA/EN60601-1, 3.1 edition
 CB report, CE mark, RM report/file
 Energy Saving ENERGY STAR
 for computers version 6.0
 for displays version 6.0
 ErP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

Performance for SNP-HF67-A:

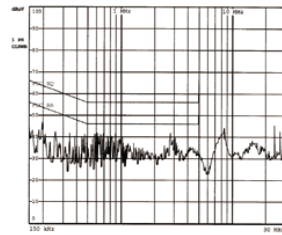
1. Switching frequency ripple



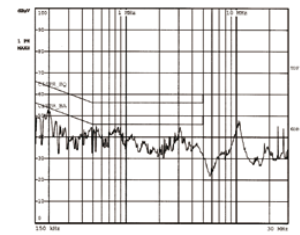
2. Line frequency ripple



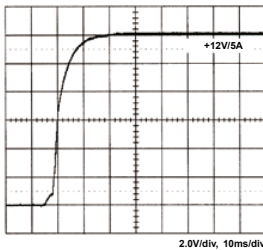
7. FCC B Class I



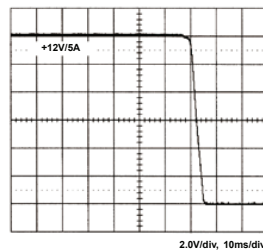
8. EN55011 22 B Class I



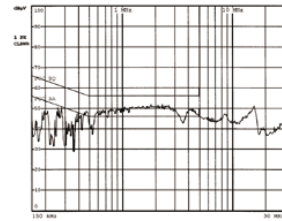
3. Output turn on wave form



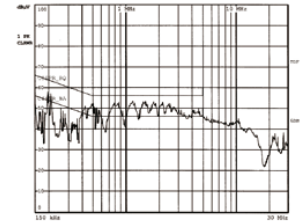
4. Output turn off wave form



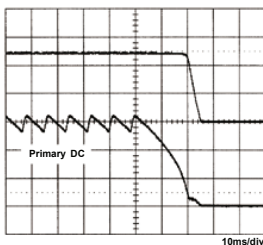
9. FCC B Class II



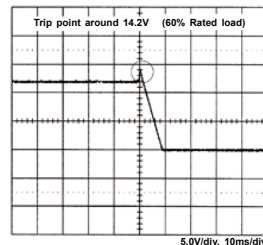
10. EN55011 22 B Class II



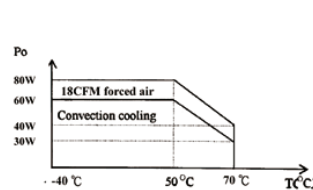
5. Hold-up time



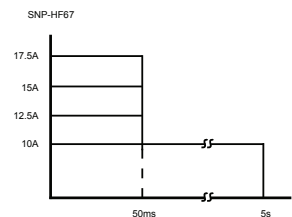
6. Over voltage protection



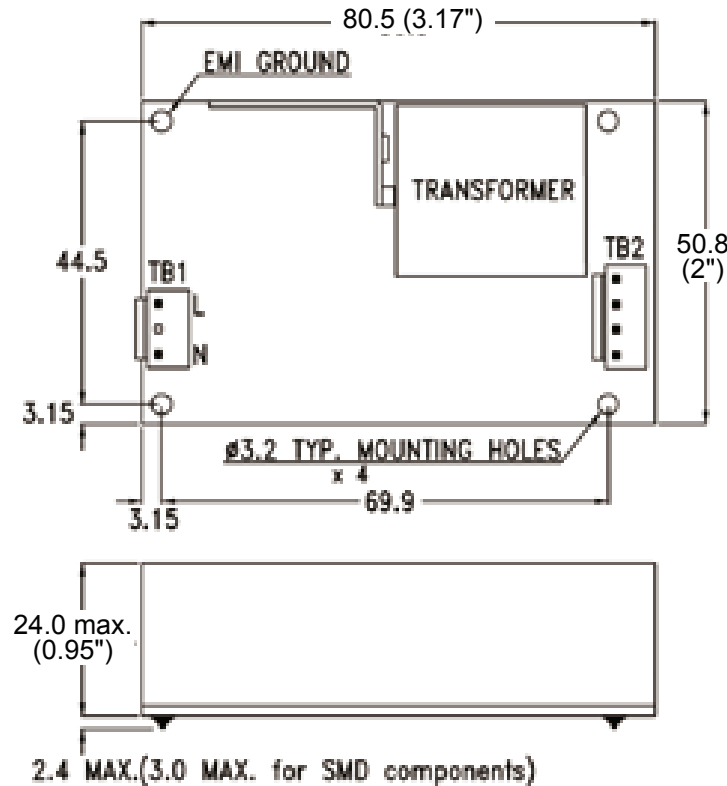
11. Power derating curve



12. Power derating curve



MECHANICAL DRAWING



Notes:

- Size:
2" x 3.17" x 0.95"
- Mounting Hole:
44.5 x 69.9 (mm)
- Connectors:
AC input: JST B2P3-VH or equivalent
DC output: JST B4P-VH or equivalent
- Output Pin assignment:

1	2	3	4
Vo	Vo	GND	GND
- Packing:
Net weight: 114 g approx. / unit
Gross weight: 14 kg approx. / carton, 100 units / carton
Carton size (mm): 437 (L) x 402 (W) x 240 (H)