



## Output Specifications:

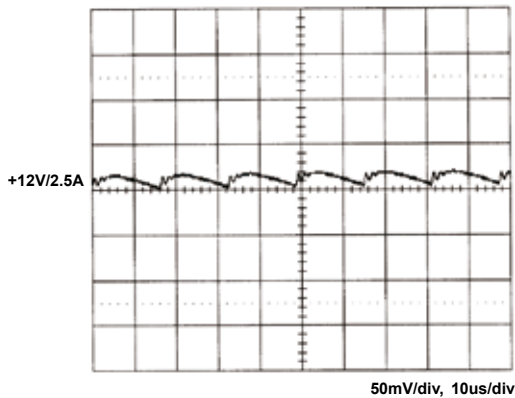
MODEL NO.	OUTPUT RAIL	LOAD				INITIAL ACCURACY	STEP EFFICIENCY			AVERAGE EFFICIENCY
		MIN.	RATED	MAX.	PEAK		@ 20% LOAD	@ 50% LOAD	@ 100% LOAD	
SNP-HF37	+12V	0A	2.5A	3.33A	3.75A	+11.8V~+12.2V	86%	87%	86%	86%
SNP-HF37-A							72%	80%	82%	77%
SNP-HF38	+15V	0A	2A	2.67A	3A	+14.8V~+15.2V	86%	87%	86%	86%
SNP-HF38-A							74%	81%	82%	78%
SNP-HF39	+24V	0A	1.25A	1.67A	1.88A	+23.8V~+24.2V	86%	87%	86%	86%
SNP-HF39-A							74%	80%	84%	78%
SNP-HF3T	+48V	0A	0.63A	0.83A	0.94A	+47.6V~+48.4V	86%	87%	86%	86%
SNP-HF3T-A							79%	85%	86%	83%

### Note:

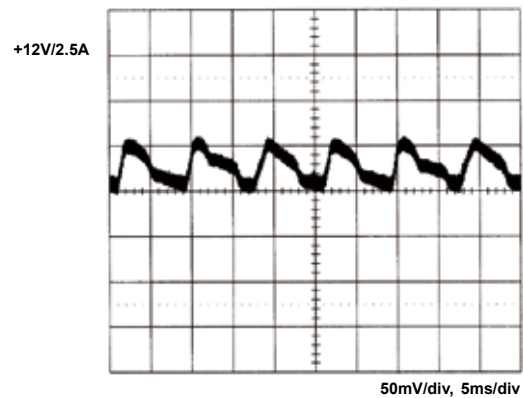
- Standby Power Consumption with System:**  
For computers and displays, ENERGY STAR in U.S. and ErP regulation in Europe require the input power should be less than 0.5W at standby mode.
- Output Load:**  
30W for convection cooling; 40W for forced air cooling.
- Peak Load Duration:**  
Peak 45W can last for 5 sec.
- Isolation Grade:**  
Primary ↔ Ground : 1MOPP (1500Vac)  
Primary ↔ Secondary : 2MOPP (4000Vac)  
Secondary ↔ Ground : 1MOPP (1500Vac)
- Leakage Current:**  
Earth leakage current < 300uA  
Touch current < 100uA
- EMI Grounding:**  
If there is a metal sheet under the power supply, connect the EMI ground to that metal sheet.
- Model Selection:**  
Most of power supplies will create audible burst sound at light load, if the application wants to meet input power < 0.5W at standby mode.  
SNP-HF3x is for ITE & Medical applications which require standby mode.  
SNP-HF3x-A is for ITE & Medical applications but without burst sound and no standby mode.
- The safety application will be proceeded upon request.

### Performance for SNP-HF37-A:

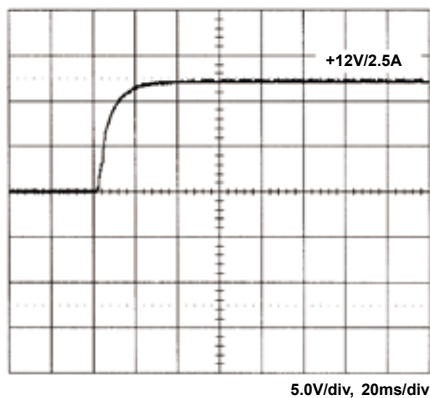
1. Switching frequency ripple



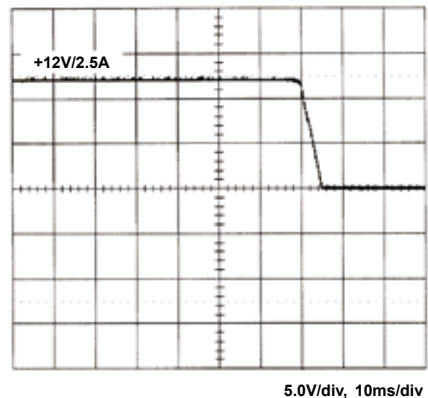
2. Line frequency ripple



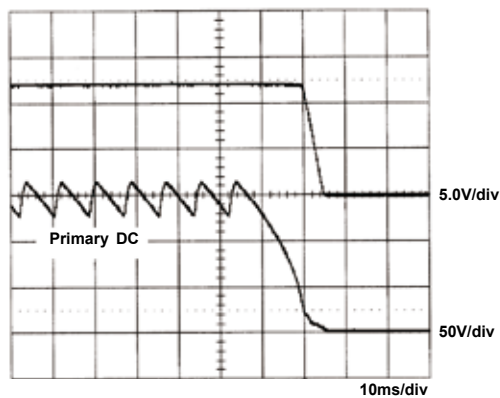
3. Output turn on wave form



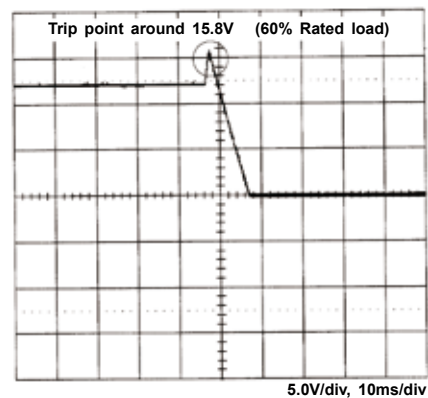
4. Output turn off wave form



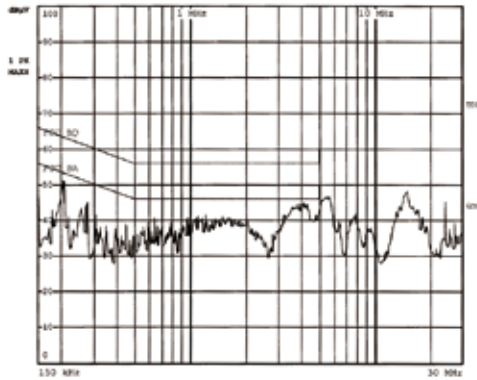
5. Hold-up time



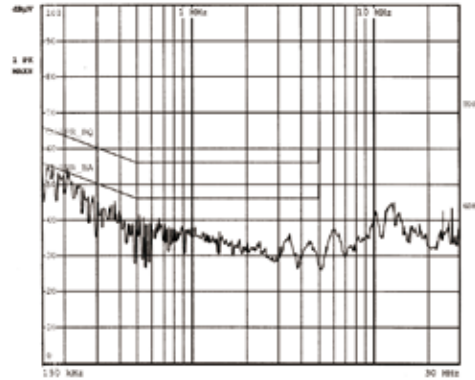
6. Over voltage protection



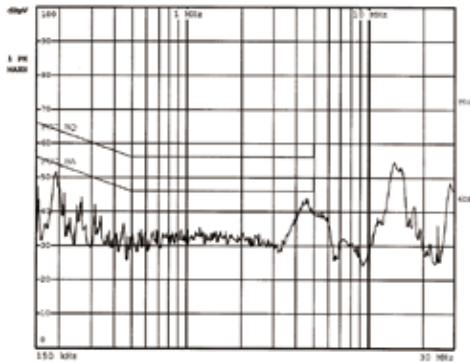
### 7. FCC B Class I



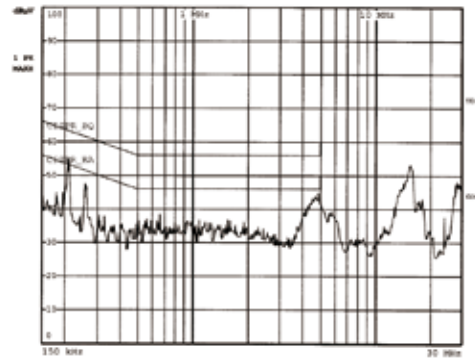
### 8. EN55011 22 B Class I



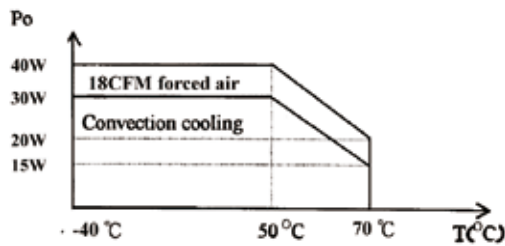
### 9. FCC B Class II



### 10. EN55011 22 B Class II



### 11. Power derating curve



### 12. Torque capability

