



**2" x 3" x 0.91"**

## General Specifications:

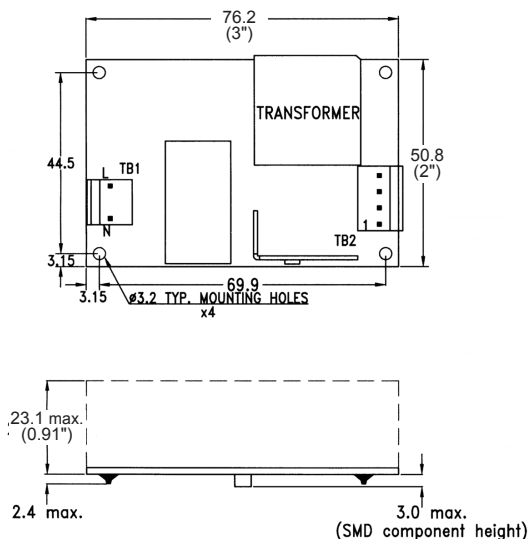
Input voltage ..... 90 VAC to 264 VAC  
Input frequency ..... 47 Hz to 63 Hz  
Inrush current ..... < 30/60A at 115/230VAC  
Hold up time ..... 16ms  
Over load/Short circuit protection ..... auto recovery  
Over voltage protection ..... latch off  
Operating temperature ..... -20°C to 70°C  
derating: 2.5% / °C > 50°C  
Storage temperature ..... -40°C to +85°C

## Features:

- Design for BF application
- Safety Class II & EMI Class B
- High mechanical torque start-up
- -20°C to +70°C operating temperature
- 3,000m operation altitude
- Convection cooling for rated load

EMI ..... EN55011 "B", EN61000-3-3  
Harmonics..... EN61000-3-2, class A  
EMS..... EN61000-4-2,-3,-4,-5,-6,-8,-11  
Safety ..... ANSI/AMMI/CSA/EN60601-1, 3<sup>rd</sup> edition  
CB report, CE mark, RM report/file

## Mechanical Specifications:



### Notes:

1. Size:  
2" x 3" x 0.91"
2. Mounting Hole:  
44.5 x 69.9 (mm)
3. Connectors:  
AC input: Molex 5277-02A or equivalent  
DC output: Molex 5273-04A or equivalent
4. Output Pin assignment:

1	2	3	4
Vo	Vo	GND	GND
5. Packing:  
Net weight: 88.5 g approx. / unit  
Gross weight: 11.4 kg approx. / carton, 100 units / carton  
Carton size (mm): 412 (L) x 382 (W) x 225 (H)

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**10 years Warranty (contact Skynet's Distributors for details)**

## Output Specifications:

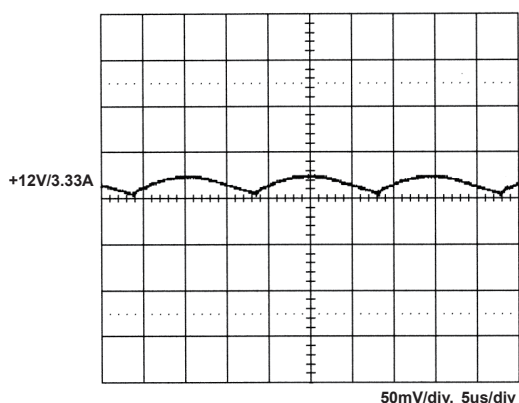
MODEL NO.	OUTPUT RAIL	LOAD				INITIAL ACCURACY	RIPPLE NOISE	EFFICIENCY
		MIN.	RATED	MAX.	PEAK			
SNP-H047 -M	+12V	0A	3.33A		4.7A	+11.0V~+12.1V	100mVpp	82% typ.
SNP-H049 -M	+24V	0A	1.66A		2.4A	+23.7V~+24.3V	<150mVpp	84% typ.

### Note:

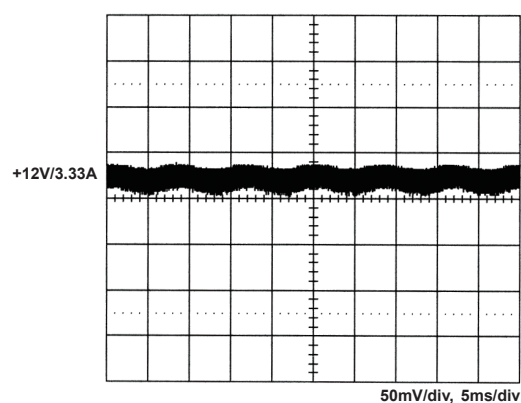
- Peak Load Duration:**  
Peak 55W can last for 5 sec.
- Isolation Grade:**  
Primary ↔ Ground : 1MOPP (1500Vac)  
Primary ↔ Secondary : 2MOPP (4000Vac)  
Secondary ↔ Ground : 1MOPP (1500Vac)
- Leakage Current:**  
Touch current < 100uA

## Performance for SNP-H047-M:

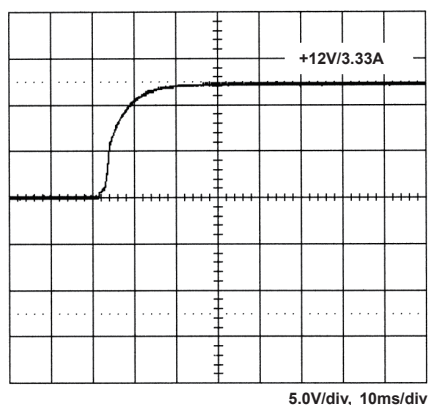
### 1. Switching frequency ripple



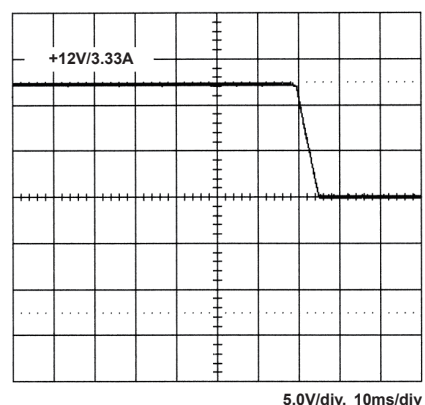
### 2. Line frequency ripple



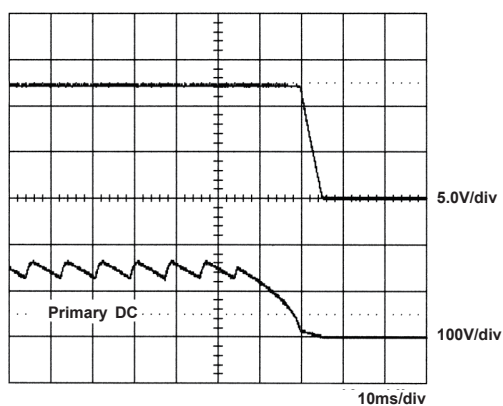
### 3. Output turn on wave form



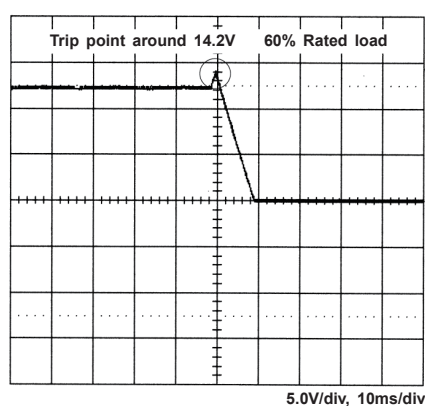
### 4. Output turn off wave form



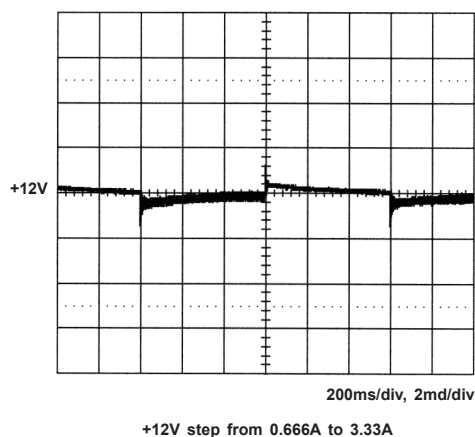
### 5. Hold-up time



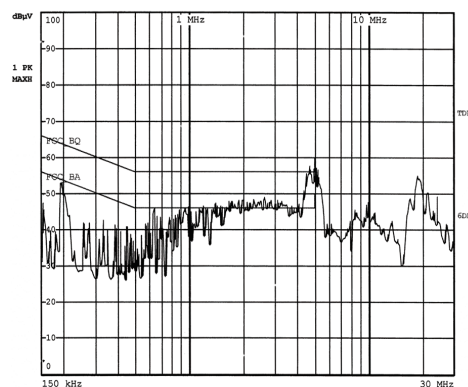
### 6. Over voltage protection



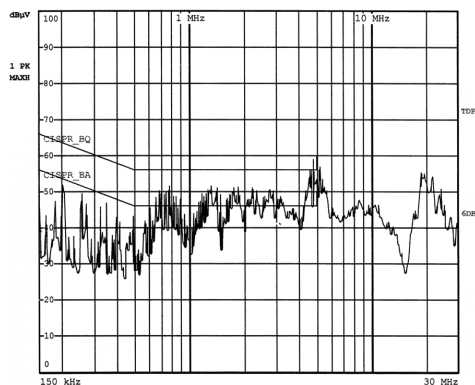
7. +12V step response



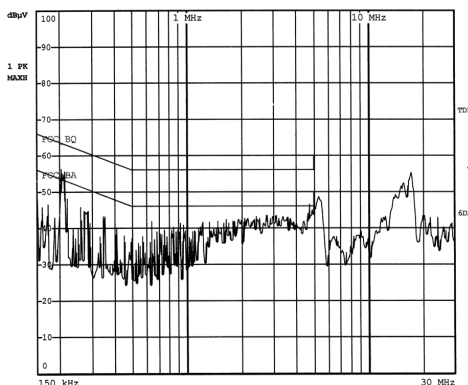
8. FCC B Class I



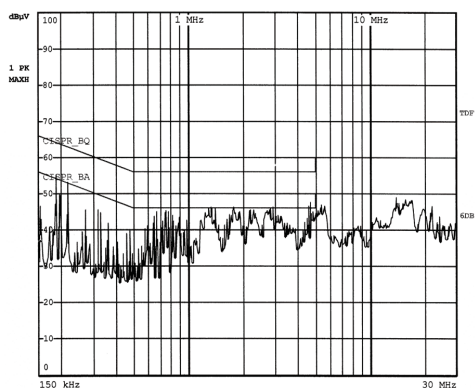
9. CISPR 22 B Class I



10. FCC B Class II



11. CISPR 22 B Class II



12. Power derating curve

