

2015 Q3



**2.39" x 4" x 1.28"**

### Features:

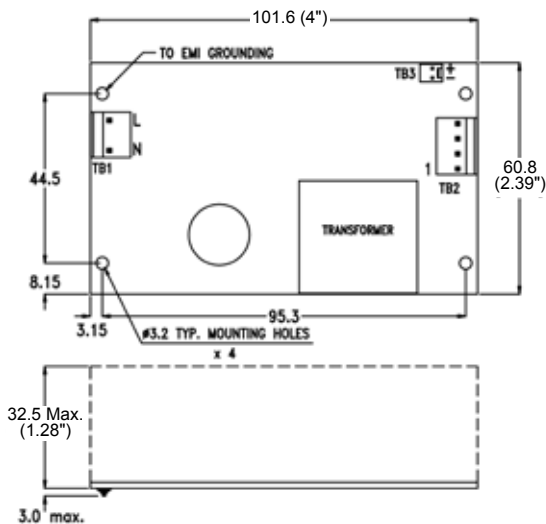
- Design for BF application
- Meet 2 X MOPP and Touch Current < 100uA
- Safety Class II & EMI Class B
- Follow ErP Directive of EU
- High mechanical torque start-up
- With Fan output
- Fan stop while load < 30% rated
- -30°C to +70°C operation
- 5,000m operation altitude
- Convection cooling for rated load
- Forced air for max. load

### General Specifications:

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

Cooling ..... 120W free air convection  
 180W 18 CFM forced  
 Harmonics.....EN61000-3-2, class D  
 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

### Mechanical Specifications:



### Notes:

1. Size:  
2.39" x 4" x 1.28"
2. Mounting Hole:  
44.5 x 95.3 (mm)
3. Connectors:  
AC input: JST B2P3-VH or equivalent  
DC output: JST B4P-VH or  
Terminal blocks or equivalent  
Fan: Molex 5045-02A or equivalent
4. Output Pin assignment:
 

1	2	3	4
Vo	Vo	GND	GND
5. Packing:  
Net weight: TBD g approx. / unit  
Gross weight: TBD kg approx. / carton, TBD units / carton  
Carton size (mm): TBD

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

## Output Specifications:

MODEL NO.	OUTPUT RAIL	LOAD				INITIAL ACCURACY	STEP EFFICIENCY			AVERAGE EFFICIENCY
		MIN.	RATED	MAX.	PEAK		@ 20% LOAD	@ 50% LOAD	@ 100% LOAD	
SNP-V127	+12V	0A	10A	15A	20A	+11.9V~+12.1V	TBD	TBD	TBD	TBD
SNP-V129	+24V	0A	5A	7.5A	10A	+23.9V~+24.1V	TBD	TBD	TBD	TBD

### Note:

- Output Load:**  
120W for convection cooling; 180W for forced air cooling.
- Peak Load Duration:**  
Peak 360W 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.