Ethernet Adapter

Rated 4.2W~16.8W
SNP-POE Series

54 x 110 x 33 (mm)

Description:

SNP-POE series is an adapter for Ethernet application. It delivers power to end device through four idle line of Ethernet cable. To prevent the tiny signal line get hurt, the rated current allowed is 350mA, the trip point of over current protection is around 450mA. At no load condition, this series meets green power regulation.

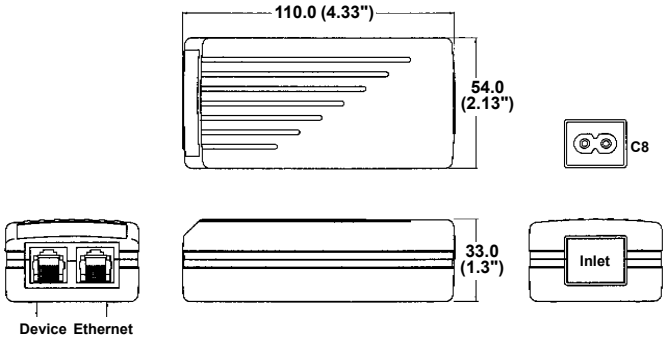
Model available:

- SNP-POE7 for 12V/0.35A
- SNP-POE9 for 24V/0.35A
- SNP-POET for 48V/0.35A

General Specifications:

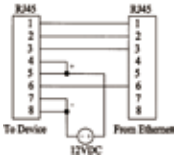
Input voltage ..... 90 VAC to 264 VAC
Input frequency ..... 47 Hz to 63 Hz
Inrush current (cold start at 25°C) ..... < 60A at 230VAC
Meet green mode ..... < 0.5W (at no load)
Efficiency ..... 75%~85% depends on models
Holdup time ..... 16 ms typical
at rated load and 115VAC
Over voltage protection ..... latch off
Short circuit protection ..... auto recovery
Over current protection ..... auto recovery
Operating temperature ..... -20°C to 60°C
above 40°C, derate at 2.5% per degree
Cooling ..... free air convection
Storage temperature ..... -20°C to +85°C
EMI ..... FCC class "B"
CISPR22 level "B"
EMS ..... EN61000-4-2, -3, -4, -5,-6,-11
Safety ..... UL 60950-1, LPS
CSA C22.2 No. 60950-1
TUV EN60950-1

Mechanical Specifications:



Notes:

1. Size:
   54 x 110 x 33 (mm)
2. Connectors:
   AC input :
   IEC 320 C8: SNP-POEx
   Device connector : RJ45
   Ethernet connector : RJ45
3. Output Pin assignment:



4. Box Color : Black
5. Packing:
   Net weight: 140 g approx. / unit
   Gross weight: 19 kg approx. / carton, 120 units / carton
   Carton size (mm): 535 (L) x 489 (W) x 314 (H)

-Jim-

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

Output Specifications:

MODEL NO.	OUTPUT RAIL	LOAD				VOLTAGE ACCURACY	RIPPLE NOISE	LINE REG.	LOAD REG.
		MIN.	RATED	MAX.	PEAK				
SNP-POE7	+12V	0A	0.35A			+11.4V~+12.6V	100mVpp	±1%	±1%
SNP-POE9	+24V	0A	0.35A			+22.8V~+25.2V	100mVpp	±1%	±1%
SNP-POET	+48V	0A	0.35A			+45.6V~+50.4V	200mVpp	±1%	±1%

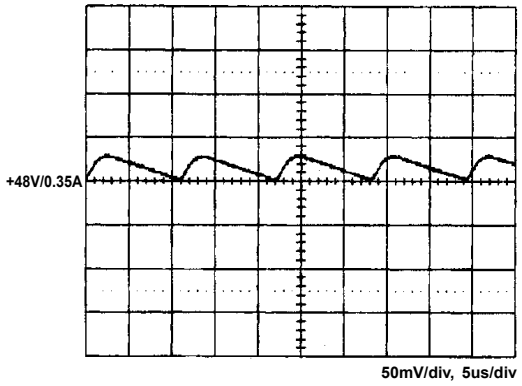
Note:

1. Output can provide up to peak load when the power supply starts up. Continuous staying in more than rated load is not allowed.
2. At factory, in 60% rated load condition, each output is checked to be within voltage accuracy.
3. Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
4. Load regulation is defined by changing ±40% of measured output load from 60% rated load.
5. Ripple & noise is measured by using 15MHz bandwidth limited oscilloscope and terminated each output with a 0.47uF capacitor at rated load and nominal line.
6. Hold up time is measured from the end of the last charging pulse to the time which the main output drops down to low limit of main output at rated load and nominal line.
7. Efficiency is measured at rated load, and nominal line.

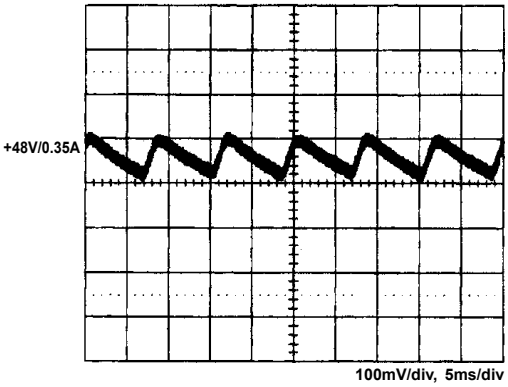
-Jim-

Performance for SNP-POET:

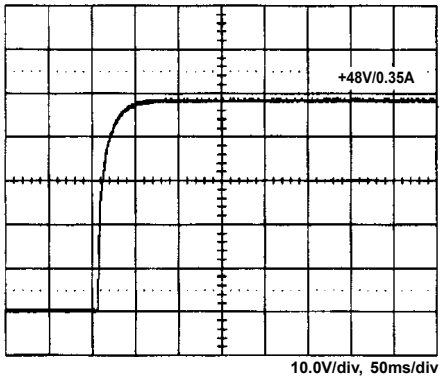
1. Switching frequency ripple



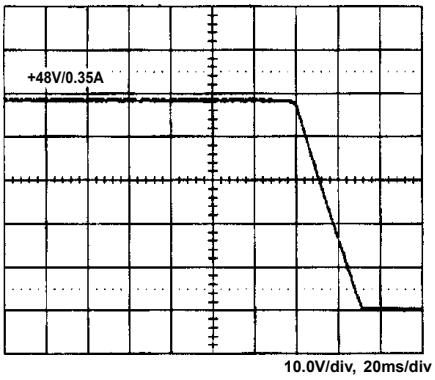
2. Line frequency ripple



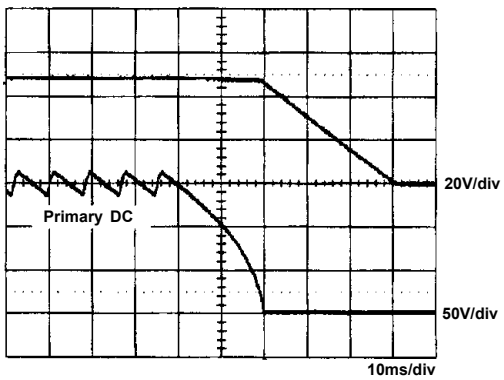
3. Output turn on wave form



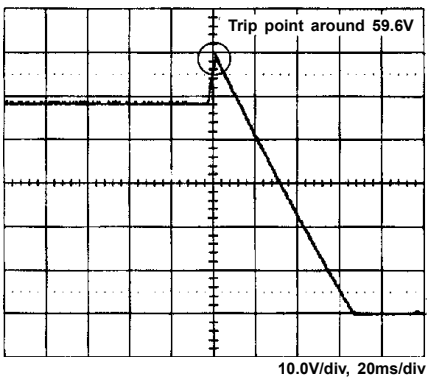
4. Output turn off wave form



5. Hold-up time

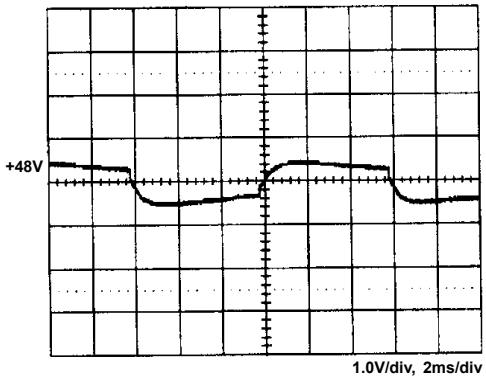


6. Over voltage protection



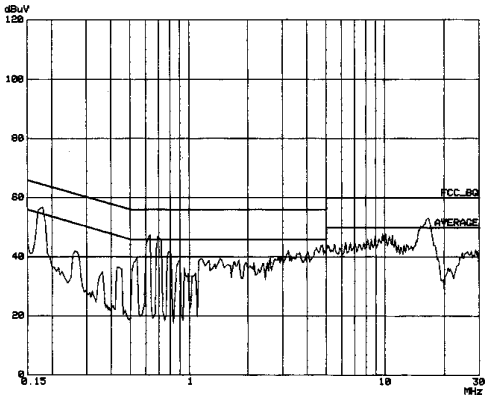
-Jim-

7. +48V step response

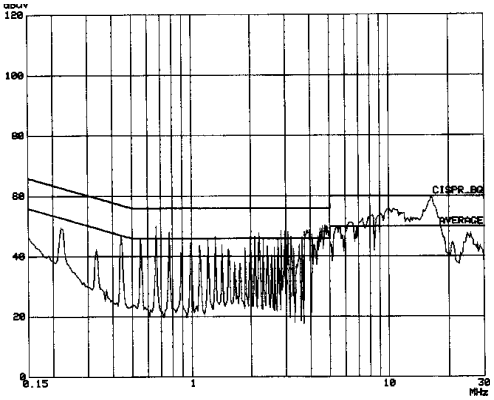


+48V step from 0.07A to 0.35A

8. FCC B



9. CISPR 22 B



-Jim-