Switching Adapter (Universal)



Description:

SNP-A07 series are single output universal input switching mode power supply.

It is specially designed for external desk top application.

Model available:

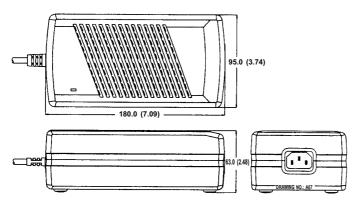
- SNP-A077 for 12V/6A
- SNP-A078 for 15V/5A
- SNP-A075 for 18V/4A
- SNP-A079 for 24V/3.2A
- SNP-A07T for 48V/1.5A
- SNP-A07S for 28V/1.25A, -28V/1.25A

General Specifications:

Input voltage	90 VAC to 270 VAC
Input frequency	47 Hz to 63 Hz
Inrush current	less than 30A at 115VAC
	less than 60A at 230VAC
	cold start, 25°C
Efficiency	70%
Holdup time	>16 ms
	at rated load and 115VAC
Over voltage protection	latch off
Short circuit protection	auto recovery

Over load protection	auto recovery
Operating temperature	0°C to 40°C
Cooling	free air convection
Storage temperature	20°C to +85°C
EMI	FCC class "B"
	CISPR22 level "B"
Harmonics	EN61000-3-2 class A
EMS	EN61000-4-2, -3, -4, -5,-6,-11
Safety	UL 1950
	CSA C22.2 No. 224
	TUV EN60950-1

Mechanical Specifications:



Notes:

- Dimensions shown in mm (inch) as left. Tolerance: ±1mm (Excluding cables).
- 2. Size: 95.0 X 180.0 X 63.0 (mm)
- 95.0 A 100.0 A 05.
 - Net weight: 815 g approx. / unit Gross weight: 12 kg approx. / carton, 12 units / carton Carton size (mm): 490 (L) x 250 (W) x 357(H)
- 4. Connectors:

AC input: IEC 320 Inlet

DC output: DC power jack or DIN connector

5. Box Color: Black

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Output Specifications:

MODEL NO.	OUTPUT RAIL	LOAD MIN. RATED PEAK		VOLTAGE ACCURACY	RIPPLE NOISE	LINE REG.	LOAD REG.	
SNP-A077	+12V	0A	6A		+11.40V~+12.60V	100mVpp	±1%	±5%
SNP-A078	+15V	0A	5A		+14.25V~+15.75V	100mVpp	±1%	±5%
SNP-A075	+18V	0A	4A		+23.00V~+25.00V	100mVpp	±1%	±5%
SNP-A079	+24V	0A	3.2A		+22.80V~+25.20V	100mVpp	±1%	±5%
SNP-A07T	+48V	0A	1.5A		+45.60V~+50.40V	200mVpp	±1%	±5%
SNP-A07S	+28V -28V	0A 0A	1.25A 1.25A	5A (1ms) 5A (1ms)	+27.72V~+28.28V -26.60V~-29.40V	100mVpp	±1% ±1%	±5% ±5%

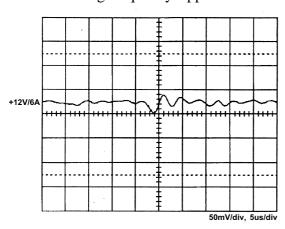
Note:

- 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.

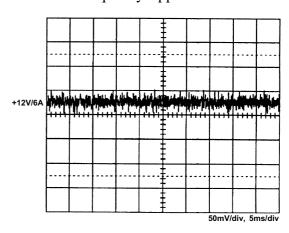
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Performance for SNP-A077:

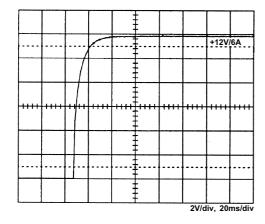
1. Switching frequency ripple



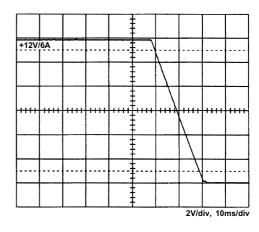
2. Line frequency ripple



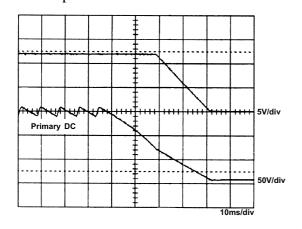
3. Output turn on wave form



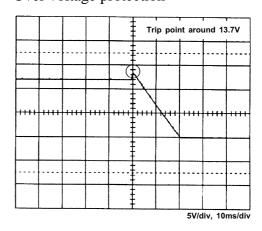
4. Output turn off wave form



5. Hold-up time



6. Over voltage protection

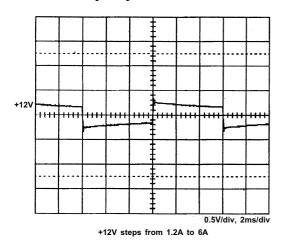


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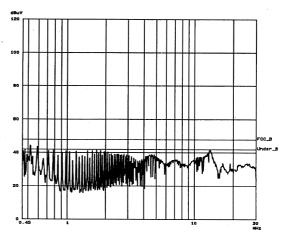


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7. +12V step response



8. FCC B



9. CISPR 22 B

