



Description:

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

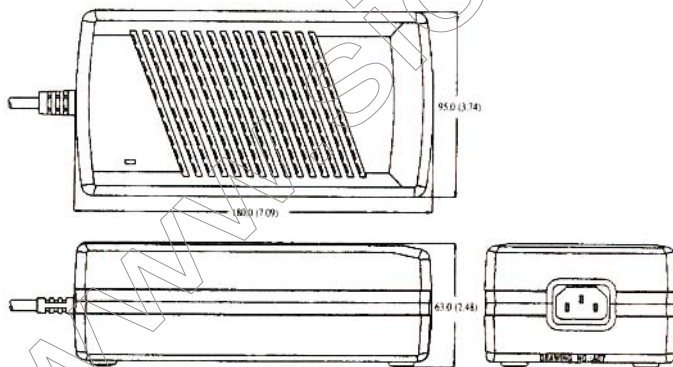
It is specially designed for external desk top application.

General Specifications:

Input voltage	90 V AC to 270 V AC
Input frequency	47 Hz to 63 Hz
Inrush current	less than 30A at 115V AC less than 60A at 230V AC cold start, 25°C
Outputs	see output table
Efficiency	70%
Hold-up time.....	> 16 ms at rated load and 115V AC
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 22.2 No. 224 TUV EN60950

Mechanical Specifications:



Notes:

1. Dimensions shown in mm (inch) as above. Tolerance: ±1mm (Excluding cables).
2. Size: 95.0mm x 180.0mm x 63.0mm
3. Connectors:
AC input : IEC 320 Inlet
DC output : DC power jack or DIN connector
4. Box Color : Black

**Output Specifications:**

MODEL NO.	OUTPUT RAIL	LOAD			VOLTAGE ACCURACY	RIPPLE NOISE	LINE REG.	LOAD REG.
		MIN.	RATED	PEAK				
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%

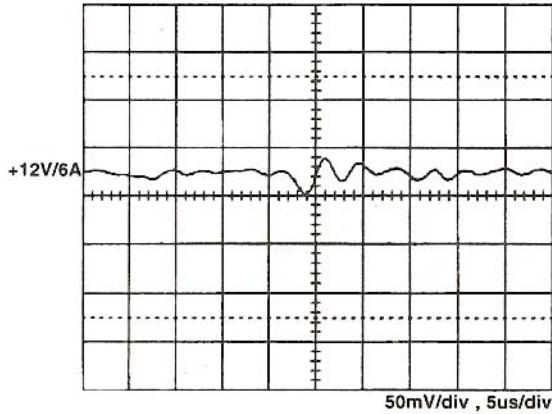
Note:

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 $\pm 10\%$ of input voltage from nominal line at rated load.
4. Load regulation is defined by changing $\pm 40\%$ 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.

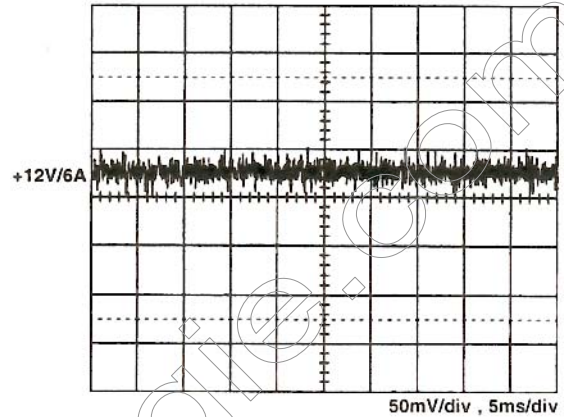


Performance for SNP-A077:

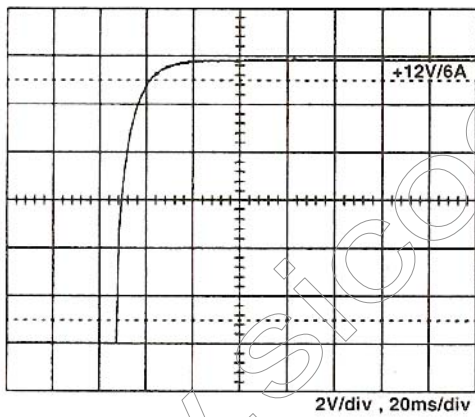
1. Switching frequency ripple



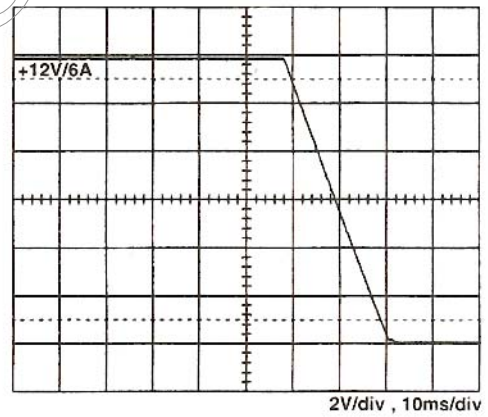
2. Line frequency ripple



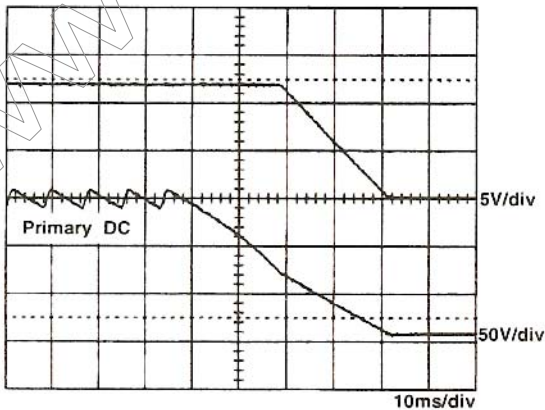
3. Output turn on wave form



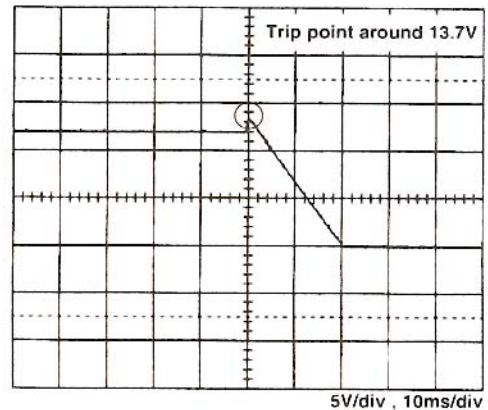
4. Output turn off wave form



5. Hold-up time



6. Over voltage protection



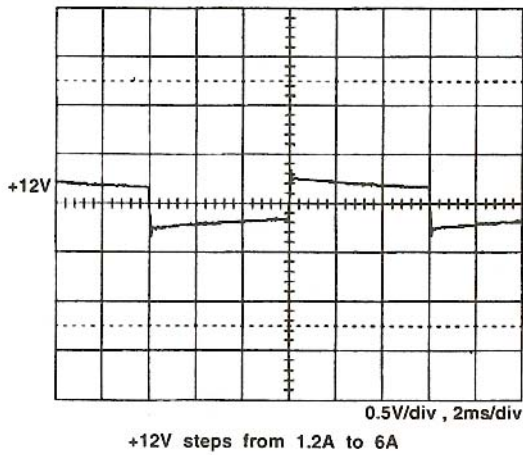
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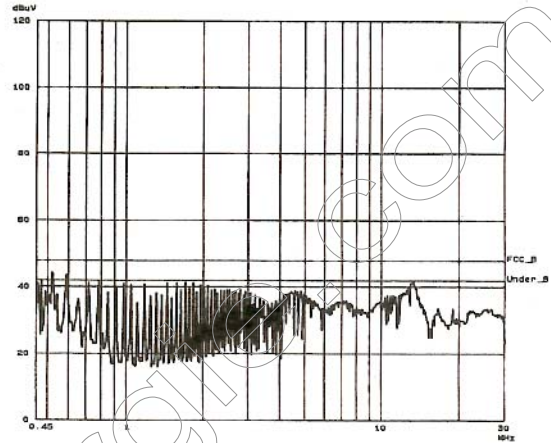
Switching Adapter (Universal)

70 W
SNP-A07 series

7. +12V step response



8. FCC B



9. CISPR 22 B

