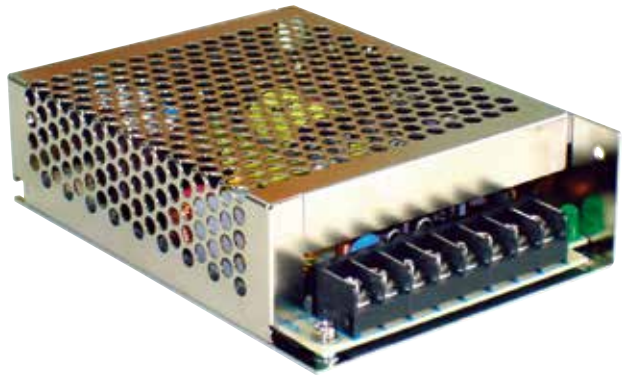
THE RELIABLE SOURCE

General Purpose

Rated 80W
Peak 120W
SNP-C08 Series



3.74" x 5.08" x 1.42"

Features:

- With ITE safety
- Only 1.42 inch height
- With power on LED
- With output adjustable trimmer
- Efficiency between 80% to 87%
- Operation from -20°C to 70°C by convection

Applications:

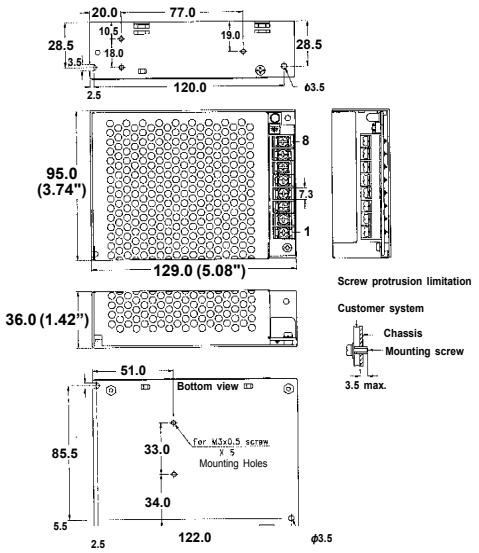
- For machinery.
- For industrial equipment.

General Specifications:

Input voltage ..... 85VAC to 264VAC
Input frequency..... 47Hz to 63Hz
Inrush current ..... < 30A at 115VAC
(cold start at 25°C) or < 60A at 230VAC
Efficiency ..... 80%~87% depends on models
at rated load and 115VAC
Hold up time ..... 16ms typical
at rated load and 115VAC
Over load protection ..... auto recovery
Short circuit protection ..... auto recovery
Over voltage protection ..... latch off
Operating temperature ..... -20°C to 70°C convection
derating: 2.5% / °C > 50°C
Cooling ..... free air convection
Storage temperature ..... -40°C to +75°C
EMI ..... FCC "B"
EN55022"B", EN55011"B"
EMS EN61000-4-2,-3,-4,-5,-6,-8,-11
Safety ..... meet UL 60950-1
CSA C22.2 No. 60950-1
EN 60950-1

Mechanical Specifications:

SNP-C080



-Eric-

Notes:

1. Size:
   3.74" x 5.08" x 1.42"
2. Connectors
   AC input & DC output : Terminal Blocks, 8.25mm interval
3. Output Pin assignment:

PIN NO.	1	2	3	4	5	6	7	8
SNP-C08B	AC/L	AC/N	Earth	GND	+3.3V			
SNP-C086	AC/L	AC/N	Earth	GND	+5V			
SNP-C087	AC/L	AC/N	Earth	GND	+12V			
SNP-C088	AC/L	AC/N	Earth	GND	+15V			
SNP-C089	AC/L	AC/N	Earth	GND	+24V			
SNP-C08T	AC/L	AC/N	Earth	GND	+48V			
SNP-C083	AC/L	AC/N	Earth	GND	+12V	GND	+5V	
SNP-C08A	AC/L	AC/N	Earth	GND	+24V	GND	+5V	
SNP-C080	AC/L	AC/N	Earth	-12V	-5V	+12V	GND	+5V
SNP-C084	AC/L	AC/N	Earth	-15V	-5V	+15V	GND	+5V
SNP-C08F	AC/L	AC/N	Earth	-12V	+24V	+12V	GND	+5V

4. Packing:
   Net weight: 460 g approx. / unit
   Gross weight: 16.8 kg approx. / carton, 30 units / carton
   Carton size (mm): 403 (L) x 373 (W) x 278 (H)

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

Output Specifications:

MODEL NO.	OUTPUT RAIL	LOAD MIN.	LOAD RATED	LOAD MAX.	LOAD PEAK	VOLTAGE ACCURACY	RIPPLE NOISE	LINE REG.	LOAD REG.	EFFICIENCY TYPICAL
SNP-C08B	+3.3V	0A	17A		27A	+3.27V~+3.33V	50mVpp	±1%	±1%	80%
SNP-C086	+5V	0A	14A		23A	+4.95V~+5.05V	50mVpp	±1%	±1%	80%
SNP-C087	+12V	0A	7A		10.5A	+11.9V~+12.1V	120mVpp	±1%	±1%	85%
SNP-C088	+15V	0A	5.3A		8A	+14.9V~+15.1V	150mVpp	±1%	±1%	84%
SNP-C089	+24V	0A	3.3A		5A	+23.9V~+24.1V	120mVpp	±1%	±1%	86%
SNP-C08T	+48V	0A	1.7A		2.6A	+47.8V~+48.2V	240mVpp	±1%	±1%	87%
SNP-C083	+5V +12V	0A 0A	7A 3A	10A 4A	12A 5A	+4.95V~+5.05V +11.4V~+12.6V	50mVpp 120mVpp	±1% ±1%	±2% ±2%	82%
SNP-C08A	+5V +24V	0A 0A	5A 2A	8A 3A	10A 4A	+4.95V~+5.05V +22.8V~+25.2V	50mVpp 240mVpp	±1% ±1%	±2% ±2%	83%
SNP-C080	+5V +12V -12V -5V	0A 0A 0A 0A	6A 2.5A 0.5A 0.5A	8A 4A 1A 1A	10A 5A	+4.95V~+5.05V +11.4V~+12.6V -11.4V~-12.6V -4.9V~-5.25V	50mVpp 120mVpp 120mVpp 50mVpp	±1% ±1% ±1% ±1%	±2% ±2% ±3% ±3%	81%
SNP-C084	+5V +15V -15V -5V	0A 0A 0A 0A	6A 2A 0.5A 0.5A	8A 3A 1A 1A	10A 4A	+4.95V~+5.05V +14.25V~+15.75V -14.25V~-15.75V -4.9V~-5.25V	50mVpp 150mVpp 150mVpp 50mVpp	±1% ±1% ±1% ±1%	±2% ±2% ±3% ±3%	80%
SNP-C08F	+5V +12V +24V -12V	0A 0A 0A 0A	4A 1.5A 1A 0.5A	6A 3A 1.5A 1A	8A 4A 2.5A	+4.95V~+5.05V +11.4V~+12.6V +22.8V~+25.2V -11.4V~-12.6V	50mVpp 120mVpp 240mVpp 120mVpp	±1% ±1% ±1% ±1%	±2% ±2% ±3% ±3%	81%

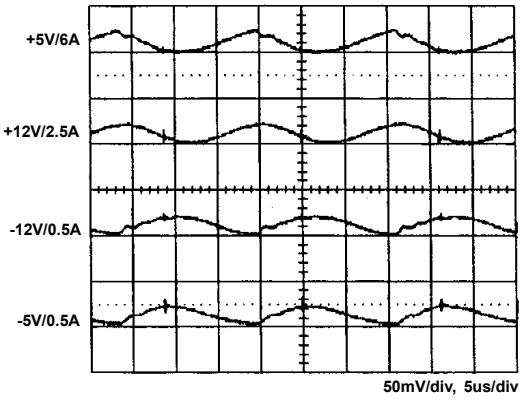
Note:

1. The max. load can be continuously provided at 50°C and convection cooling conditions. The peak load can be temporarily provided up to 8 seconds.
2. At factory, all outputs in 60% rated load condition, each output is checked to be within the accuracy range while the main output is setting to within the specified accuracy range at rated load.
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 at another output set to 60% rated load.
5. Ripple & noise is measured by using 15MHz bandwidth limited oscilloscope and terminated each output with a 0.47uF + 10uF 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 drop down to regulation limit at rated load and nominal line.

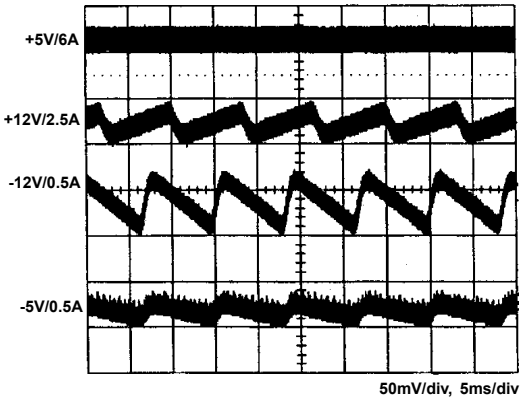
-Eric-

Performance for SNP-C080:

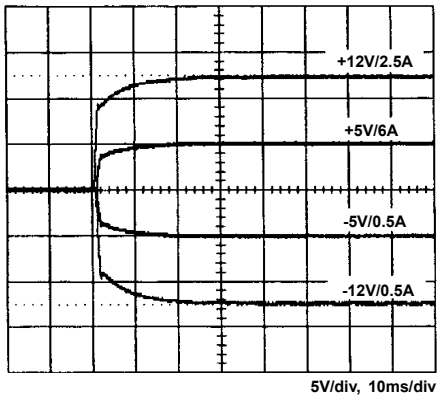
1. Switching frequency ripple



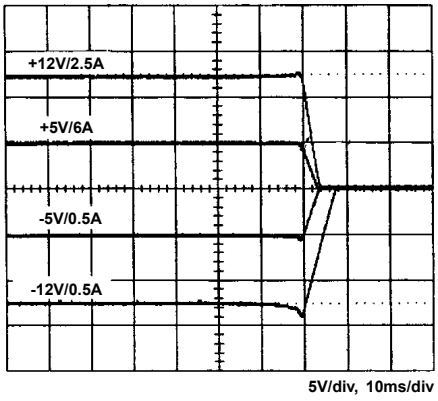
2. Line frequency ripple



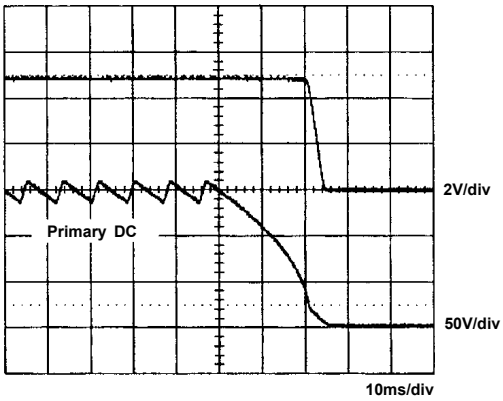
3. Output turn on wave form



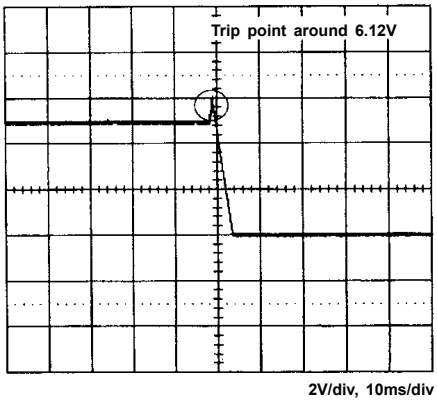
4. Output turn off wave form



5. Hold-up time



6. Over voltage protection



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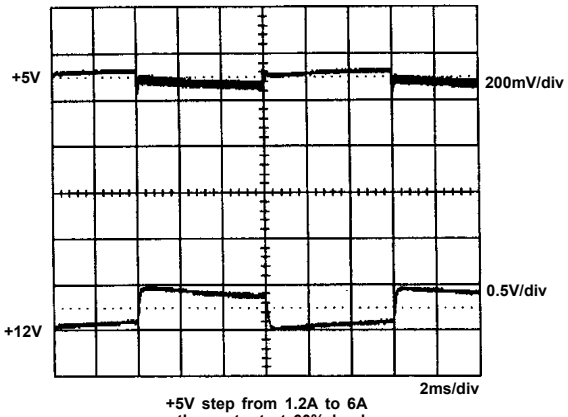
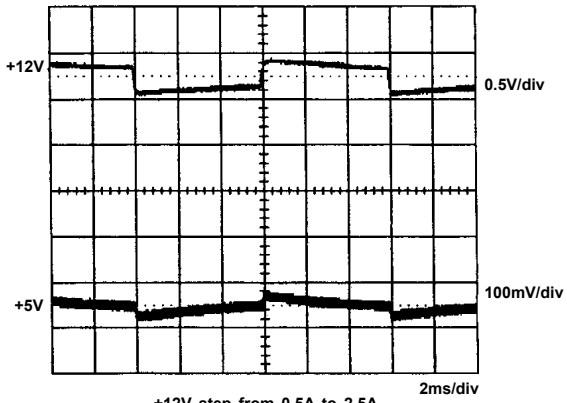
7. +5V step response



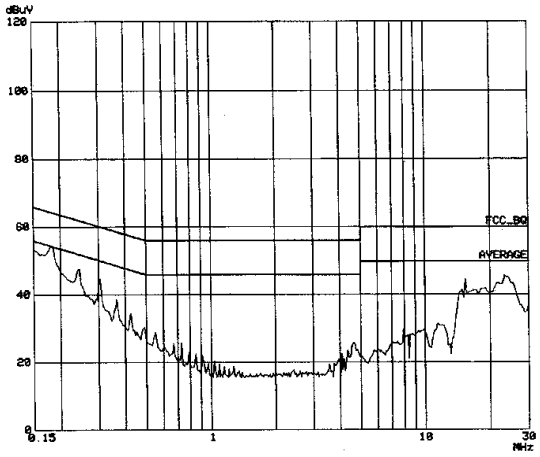
+5V step from 1.2A to 6A
other output at 60% load

8. +12V step response

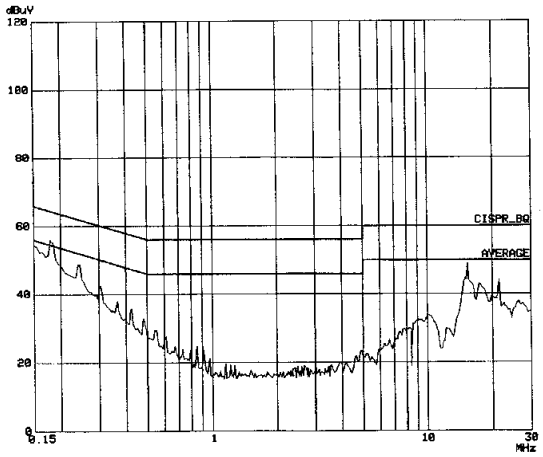


+12V step from 0.5A to 2.5A
other output at 60% load

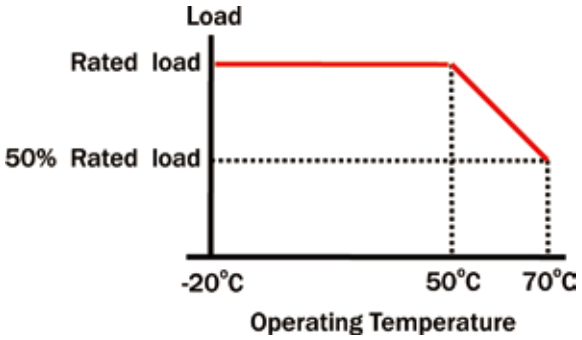
9. FCC B



10. EN 55022 B



11. Power derating curve



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