

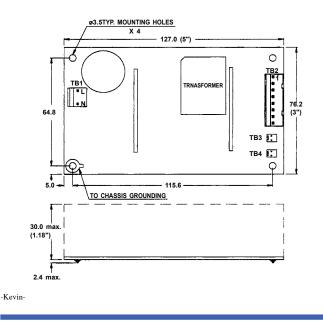


3" x 5" x 1.18"

General Specifications:

Input voltage	
Input frequency	
Inrush current	< 30A at 115VAC
(cold start at 25°C)	or < 60A at 230VAC
Efficiency	. 78%~87% depends on models
	at rated load and 115VAC
Hold up time	longer than 20ms
	at rated load and 115VAC
Over load protection	auto recovery
Short circuit protection	auto recovery
Leakage current	< 300uÅ

Mechanical Specifications:



Features:

- Only 1.18 inch height
- With ITE & Medical safety
- Efficiency between 78% to 87%
- Operation from 0°C to 70°C by convection

Applications:

• For dental, laboratory products, pumps, monitors, sleep apnea devices and many other uses.

Over voltage protection	latch off
Remote sense compensate f	or 0.5V load drop min.
Operating temperature (open frame type)	0°C to 70°C
	ating: $2.5\% / °C > 50°C$
Cooling	free air convection
Storage temperature	40°C to $+85°C$
EMI	FCC "B"
EN5:	5022"B", EN55011"B"
EMS EN6100	0-4-2,-3,-4,-5,-6,-8,-11
Safety	UL 60950, 2601
CSA	C22.2 No. 234, 601.1
EN	60950-1, EN 60601-1

)	tes:									
	Size:									
	3" x 5" x 1.1									
	Mounting Ho									
	64.8 x 115.6 Connectors:	(mm)								
	a) TB1 - A0	' input			· Mol	ex 5277	7-2 or e	anival	ent for	all models
	b) TB2 - D									all models
	 c) TB3 - fo 		ac							SNP-Z071,
	TB4 - for FAN -Z073, -Z077									
	d) TB3 - fo	r LED			: Mol	ex 5045	5-2 or e	quival	ent for	SNP-Z076,
	TB4 - fo	r Remo	ote sen	se	-Z07	'B				
	e) TB3 - for	r LED			: Mol	ex 5045	5-2 or e	quival	ent for	SNP-Z07T
	Output Pin a	ssignm	ent:							
	PIN NO.	1	2	3	4	5	6	7	8	
	SNP-Z071	+5V	+5V	GND	GND	+12V	+12V	-12V	NC	
	SNP-Z073	+5V	+5V	GND	GND	GND	GND	+12V	+12V	
	SNP-Z076	+5V	+5V	+5V	+5V	GND	GND	GND	GND	
	SNP-Z077	+12V	+12V	+12V	GND	GND	GND	GND	+5V	
	SNP-Z078	+15V	+15V	+15V	GND	GND	GND	GND	+5V	
	SNP-Z079	+24V	+24V	+24V	GND	GND	GND	GND	+5V	
	SNP-Z07T	+48V	+48V	+48V	GND	GND	GND	GND	+5V	
	SNP-Z07B	+3.3V	+3.3V	+3.3V	+3.3V	GND	GND	GND	GND	
	SNP-Z07E	+3.3V	+3.3V	GND	GND	+5V	+5V	-12V	+12V	

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



Output Specifications:

MODEL	OUTPUT	LOAD		VOLTAGE	RIPPLE	LINE	LOAD	EFFICIENCY		
NO.	RAIL	MIN.	RATED	PEAK	ACCURACY	NOISE	REG.	REG.	TYPICAL	
			2.5.1	<i>-</i> .		1 ~	1.77	27		
SNP-Z071	+5V	0A	3.5A	5A	+4.95V~+5.05V	1%	±1%	±3%		
	+12V	0A	3.5A	9A	+11.4V~+12.6V	1%	±1%	±3%	78%	
	-12V	0A	0.3A		-11.4V~-12.6V	1%	±1%	±5%		
SNP-Z073	+5V	0A	3.5A	5A	+4.95V~+5.05V	1%	±1%	±3%	78%	
	+12V	0A	4A	9A	+11.4V~+12.6V	1%	±1%	±3%		
SNP-Z076	+5V	0A	14A		+4.95V~+5.05V	1%	±1%	±1%	79%	
SNP-Z077	+12V	0A	5.6A	9A	+11.88V~+12.12V	1%	±1%	±1%	81%	
	+5V	0A	0.5A		+4.75V~+5.25V	1%	±1%	±1%		
SNP-Z078	+15V	0A	4.8A	8A	+14.85V~+15.15V	1%	±1%	±1%	82%	
	+5V	0A	0.5A		+4.75V~+5.25V	1%	±1%	±1%		
SNP-Z079	+24V	0A	3A	5A	+23.76V~+24.24V	1%	±1%	±1%	84%	
	+5V	0A	0.5A		+4.75V~+5.25V	1%	±1%	±1%		
SNP-Z07T	+48V	0A	1.6A		+47.6V~+48.4V	1%	±1%	±1%	86%	
SNP-Z07E	+3.3V	0A	6A	10A	+3.26V~+3.33V	50mV	±1%	±3%		
	+5V	0A	4A	7A	+4.75V~+5.25V	1%	±1%	±3%	78%	
	+12V	0A	2A		+11.4V~+12.6V	1%	±1%	±5%		
	-12V	0A	0.6A		-11.4V~-12.6V	1%	±1%	±5%		

Note:

1. For SNP-Z07E, +3.3V and +5V can provide up to peak load continuously but the maximum combination load should be less than 45W. In other models, peak load can be provided temporarily and continuous staying in more than rated load is not allowed.

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 $\pm 10\%$ 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 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 capacitor at rated load and nominal line. For SNP-Z076, one extra 39uF electrolytic capacitor should be added.

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.

7. Rated load is maximum loading for flat mounting and free air convection cooling.

8. +5V output can be optional for SNP-Z077, -Z078, -Z079.

9. -12V output can be optional for SNP-Z07E.

10. Model Selection:

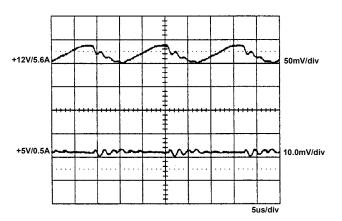
SNP-Z07x is for both of ITE application and medical application.

-Kevin-

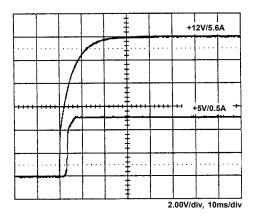


Performance for SNP-Z077 (input voltage is 115VAC, unless others specified):

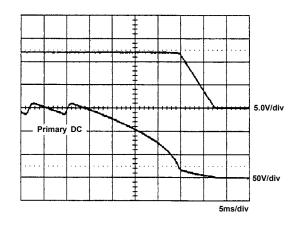
1. Switching frequency ripple



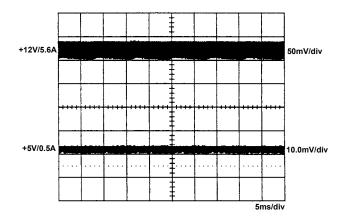
3. Output turn on wave form



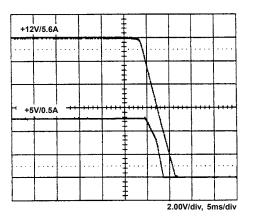
5. Hold-up time



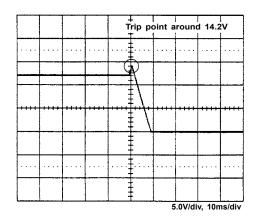
2. Line frequency ripple



4. Output turn off wave form

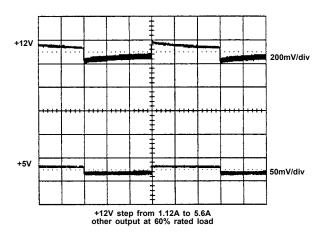


6. Over voltage protection

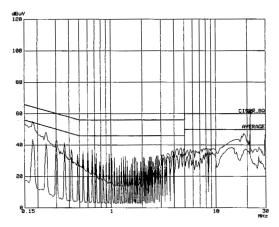




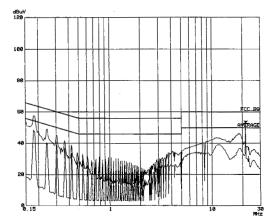
7. +12V step response



9. CISPR 22 B



8. FCC B



10. Power derating curve

