

ITE & Medical Applications (Universal)

Rated 55W Peak 65W **SNP-Z05 Series**



Features:

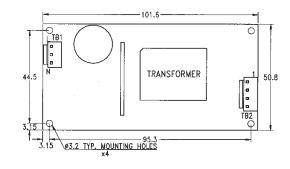
- Only 1.1 inch height
- 5.7 Watt per cubic inch
- With ITE & Medical safety
- Efficiency between 78% to 87%
- Operating from 0°C to 70°C by convection

General Specifications:

Input voltage	90VAC to 264VAC
Input frequency	47Hz to 63Hz
Inrush current	less than 30A at 115VAC
	less than 60A at 230VAC
	cold start, 25°C
Efficiency	. 78%~87% depends on models
	at rated load and 115VAC
Hold up time	14mS typical
	at rated load and 115VAC
Over load protection	auto recovery

Short circuit protection	auto recovery
Over voltage protection	latch off
Operating temperature .	0 to 70°C convection
	derating: $2.5\% / ^{\circ}\text{C} > 50 ^{\circ}\text{C}$
Cooling	free air convection
Storage temperature	-40°C to +85°C
EMI	FCC "B"
	EN55022"B", EN55011"B"
EMS	EN61000-4-2,-3,-4,-5,-6,-8,-11
Safety	UL 60950-1, UL 60601-1
	CSA C22.2 No. 60950-1, No. 601.1
	EN 60950-1, EN 60601-1

Mechanical Specifications:





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Notes:

- Dimensions shown in mm as left. Tolerance: + -1mm (Excluding cables).
- 101.6 X 50.8 X 28 (mm) 4" X 2" X 1.102"
- Packing:

Net weight: 140 g approx. / unit Gross weight: 13.5 kg approx. / carton, 80 units / carton Carton size (mm): 382 (L) x 374 (W) x 277 (H)

Connectors:

AC input: JST B2P3-VH or equivalent

DC output : JST B4P-VH or equivalent for single output
JST B7P-VH or equivalent for multiple outputs

Output Pin assignment:

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PIN NO.	1	2	3	4
SNP-Z056	+5V	+5V	GND	GND
SNP-Z057	+12V	+12V	GND	GND
SNP-Z058	+15V	+15V	GND	GND
SNP-Z059	+24V	+24V	GND	GND
SNP-Z05T	+48V	+48V	GND	GND
SNP-Z05B	+3.3V	+3.3V	GND	GND

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Output Specifications:

MODEL	OUTPUT	LOAD		VOLTAGE	RIPPLE	LINE	LOAD	
NO.	RAIL	MIN.	RATED	PEAK	ACCURACY	NOISE	REG.	REG.
SNP-Z056	+5V	0A	7A	9A	+4.95V~+5.05V	50mVpp	±0.5%	±1%
SNP-Z057	+12V	0A	4.6A	5.4A	+11.9V~+12.1V	±0.5%	±0.5%	±0.5%
SNP-Z058	+15V	0A	3.7A	4.3A	+14.9V~+15.1V	±0.5%	±0.5%	±0.5%
SNP-Z059	+24V	0A	2.3A	2.7A	+23.8V~+24.2V	±0.5%	±0.5%	±0.5%
SNP-Z05T	+48V	0A	1.2A	1.4A	+47.6V~+48.4V	±0.5%	±0.5%	±0.5%
SNP-Z05B	+3.3V	0A	8A	10A	+3.25V~+3.35V	50mVpp	±0.5%	±1.5%

Note:

- 1. The max. load can be continuously provided at 40°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 $\pm 10\%$ 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 capacitor at rated load and nominal line. For SNP-Z056 and SNP-Z05B, one extra 47uF 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.