



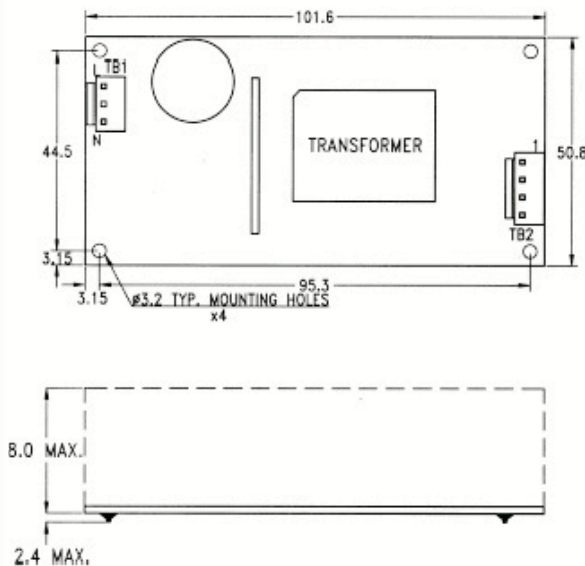
Description:

Open frame size of 3" X 5" has become an industrial standard for more than 10 years. The power density stays at 3.0 watts/cu.in. for a long time. Now, the SNP-Z05 series can offer up to 6.7 watts/cu.in. in 2" X 4" X 1.2" size at convection cooling. The safety conformity of SNP-Z05 series covers IT and medical applications. SNP-Z05 series is built with long-life components. For commodity application, ECO-Z05 series is the alternative.

General Specifications:

Input voltage	90VAC to 264VAC	Short circuit protection	auto recovery
Input frequency.....	47Hz to 63Hz	Over voltage protection	latch off
Inrush current	less than 30A at 115VAC	Operating temperature	0 to 60° C convection
	less than 60A at 230VAC		derating: 2% / °C > 50° C
	cold start, 25° C	Cooling	free air convection
Outputs	see output table	Storage temperature	-40° C to +85° C
Efficiency	78%~87% depends on models	EMI	FCC "B"
	at rated load and 115VAC		EN55022"B", EN55011"B"
Hold up time	14mS typical	EMS	EN61000-4-2,-3,-4,-5,-6,-8,-11
	at rated load and 115VAC	Safety	UL 60950, UL 2601
Over load protection	auto recovery		CSA 22.2 No.234, No. 601.1
			EN 60950, EN 60601-1

Mechanical Specifications:



Notes:

1. Dimensions shown in mm (inch) as above.
Tolerance: + -1mm (Excluding cables).
2. Size:
101.6 X 50.8 X 30.4 (mm)
4" X 2" X 1.2"
3. Connectors
AC input : JST B2P3-VH or equivalent
DC output : JST B4P-VH or equivalent
4. Pin assignment
Pin 1 Vout
2 Vout
3 GND
4 GND

Output Specifications:

MODEL NO.	OUTPUT RAIL	LOAD			VOLTAGE ACCURACY	RIPPLE NOISE	LINE REG.	LOAD REG.
		MIN.	RATED	MAX.				
SNP-Z056	+5V	0A	7A	9A	+4.95V~+5.05V	50mVpp	±0.5%	±0.5%
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%	±0.5%

Note:

1. The max. load can be provided at 40°C.
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 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.
7. Rated load is maximum loading for flat mounting and free air convection cooling.