



2" x 4" x 0.97"

General Specifications:

Input voltage 90 VAC to 264 VAC
 Input frequency 47 Hz to 63 Hz
 No load input power < 0.5W
 Inrush current < 30A at 115VAC
 (cold start at 25°C) or < 60A at 230VAC
 Efficiency 85%~89% depends on models
 Hold up time 16 ms typical
 at rated load and 115VAC
 Over load protection auto recovery
 Short circuit protection..... auto recovery

Features:

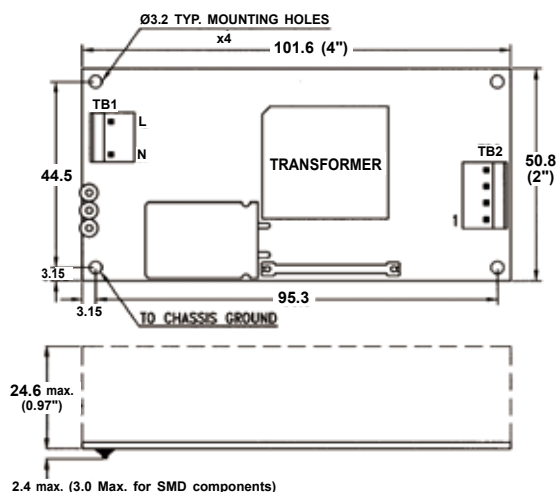
- Peak load (1.4 ~ 2 x rated current, Vo=rated for 5 sec)
- Design for BF application
- Convection cooling for Rated power
- Built-in PFC and 12V output for fan, available for G12x, G16x, and G20x
- EMI class B
- -20°C to +70°C operating temperature

Applications:

- For peak load and surge load applications, such as motor drive, coffee machine, vending machine, gaming machine, and otehr industrials.
- For EMI class B application, such as home healthcare device, and other medical devices.

Over voltage protection latch off
 Operating temperature (open frame type) -20°C to 70°C
 derating: 2.5% / °C > 50°C
 Cooling 60W free air convection
 Storage temperature -40°C to +85°C
 EMI EN55022 "B", EN61000-3-3
 Harmonics..... EN61000-3-2 class A
 EMS..... EN61000-4-2,-3,-4,-5,-6,-8,-11
 Safety UL/CSA/EN60950-1, 2nd edition
 ANSI/AMMI/CSA/EN60601-1, 3rd edition

Mechanical Specifications:



Notes:

1. Size:
2" x 4" x 0.97"
2. Mounting Hole:
44.5 x 95.3 (mm)
3. Connectors:
AC input: Molex 5277-02A or equivalent
DC output: Molex 5273-04A or equivalent
4. Output Pin assignment:

1	2	3	4
Vo	Vo	GND	GND
5. Packing:
Net weight: 110 g approx. / unit
Gross weight: 14 kg approx. / carton, 100 units / carton
Carton size (mm): 420 (L) x 382 (W) x 277 (H)

Output Specifications:

PRODUCT NO.	OUTPUT RAIL	LOAD				VOLTAGE ACCURACY	RIPPLE NOISE	LINE REG.	LOAD REG.
		MIN.	RATED	MAX.	PEAK				
SNP-GK67 SNP-GK67-M SNP-GK67-MH	+12V	0A	5.00A		6.50A	+11.9V~+12.1V	120mVpp	±1%	±1%
SNP-GK68 SNP-GK68-M SNP-GK68-MH	+15V	0A	4.00A		5.60A	+14.9V~+15.1V	100mVpp	±1%	±1%
SNP-GK65 SNP-GK65-M SNP-GK68-MH	+18V	0A	3.33A		4.67A	+17.9V~+18.1V	150mVpp	±1%	±1%
SNP-GK69 SNP-GK69-M SNP-GK69-MH	+24V	0A	2.50A		3.50A	+23.9V~+24.1V	150mVpp	±1%	±1%
SNP-GK6G SNP-GK6G-M SNP-GK6G-MH	+28V	0A	2.14A		3.00A	+27.9V~+28.1V	150mVpp	±1%	±1%
SNP-GK6J SNP-GK6J-M SNP-GK6J-MH	+36V	0A	1.66A		2.21A	+35.8V~+36.2V	200mVpp	±1%	±1%
SNP-GK6T SNP-GK6T-M SNP-GK6T-MH	+48V	0A	1.25A		1.75A	+47.8V~+48.2V	250mVpp	±1%	±1%
SNP-GK6H SNP-GK6H-M SNP-GK6H-MH	+60V	0A	1.00A		1.40A	+59.6V~+60.4V	300mVpp	±1%	±1%

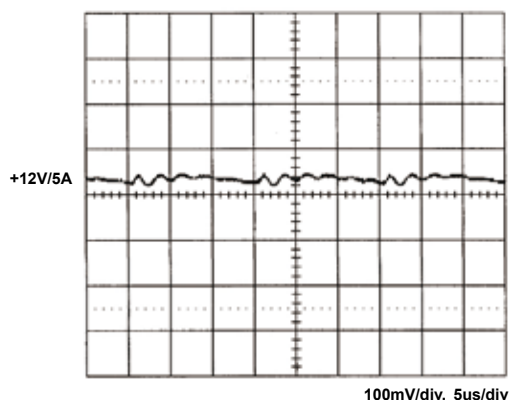
Note:

- Standby Power Consumption with System:**
For computers and displays, ENERGY STAR in U.S. and ErP regulation in Europe require the input power should be less than 0.5W at standby mode.
- Peak Load Duration:**
Peak load can last for 5 sec.
- Isolation Grade:**
Primary ↔ Ground : 1MOPP (1500Vac)
Primary ↔ Secondary : 2MOPP (4000Vac)
Secondary ↔ Ground : 1MOPP (1500Vac)
- Leakage Current:**
Earth leakage current < 300uA
Touch current < 100uA
- EMI Grounding:**
If there is a metal sheet under the power supply, connect the EMI ground to the metal sheet.
- Model Selection:**
SNP-GK6x is for ITE application.
SNP-GK6x-M is for medical application.
SNP-GK6x-MH is specified for Home Healthcare application, input class II.

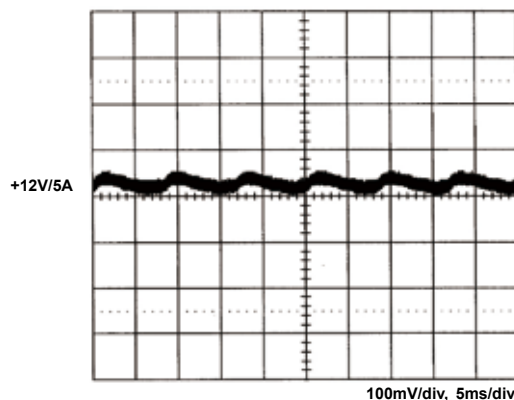
-Clark-

Performance for SNP-GK67:

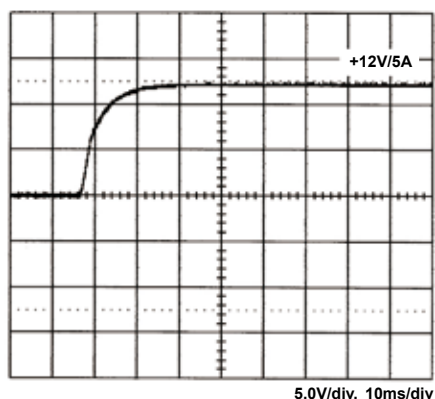
1. Switching frequency ripple



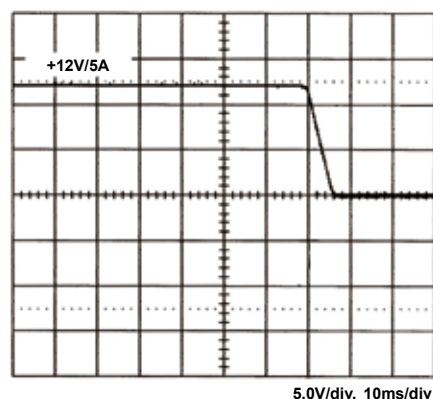
2. Line frequency ripple



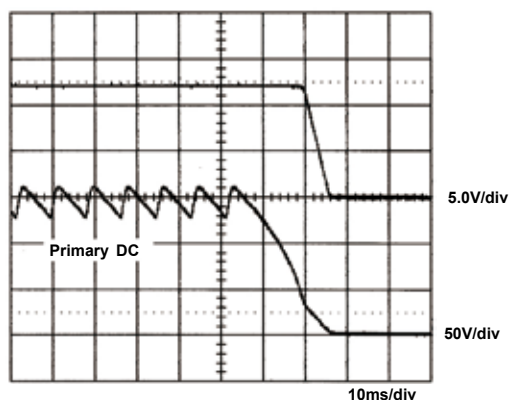
3. Output turn on wave form



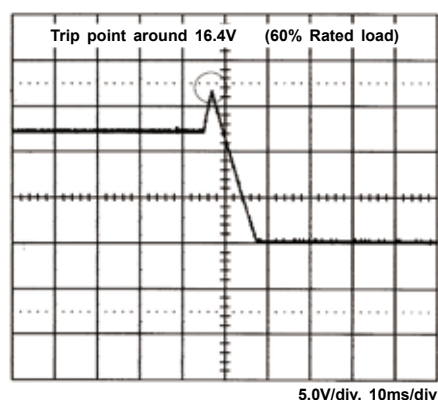
4. Output turn off wave form



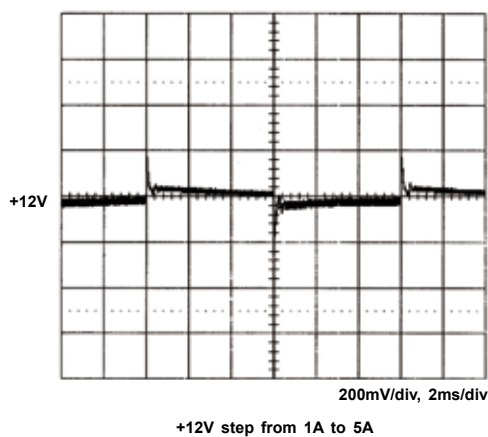
5. Hold-up time



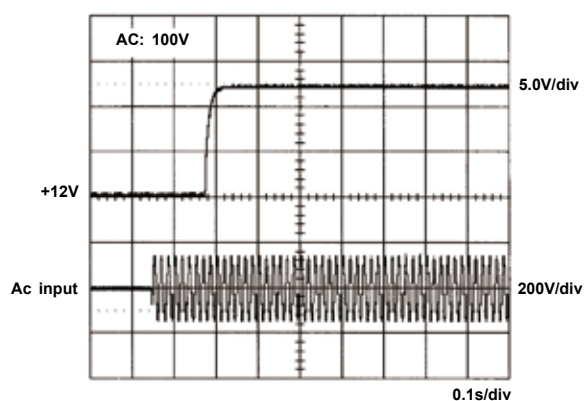
6. Over voltage protection



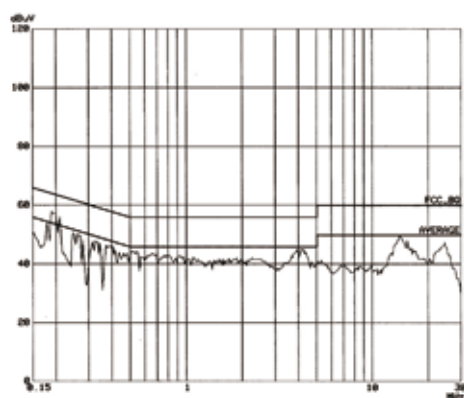
7. +12V step response



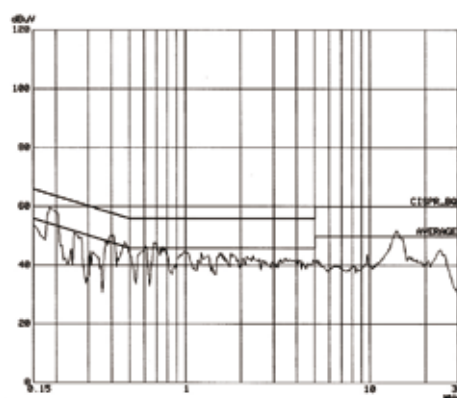
8. Start up time



9. FCC B



10. EN55022 B



11. Power Derating Curve

