

DESCRIPTION	SWITCHING POWER	SHEET NO.	1 OF 4
	AC ADAPTER	VER:	A1
MODEL NO.	GFP101U-1210	PART NO.	B507-01

1.INPUT REQUIREMENT

2.OUTPUT SPECIFICATION

3.MECHANICAL

4.RELIABILITY

5.ENVIRONMENT

6.OUTLOOKING

7.SAFETY

8.QC CHECK

*12VDC 1 AMP  
Inspired LED Item 4840*



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DESCRIPTION	SWITCHING POWER	SHEET NO.	2 OF 4
	AC ADAPTER	VER:	A1
MODEL NO.	GFP101U-1210	PART NO.	B507-01

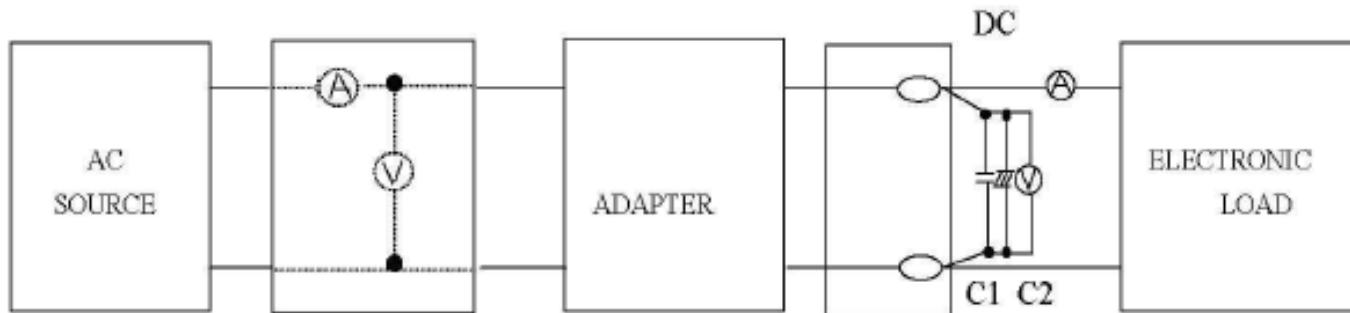
## 1.INPUT REQUIREMENT

ITEM	SPECIFICATION	MIN	TYP.	MAX
NORMAL AC INPUT VOLTAGE	SINGLE PHASE	100Vac	110Vac	120Vac
AC INPUT VOLTAGE RANGE	SINGLE PHASE	90Vac	110Vac	132Vac
AC INPUT FREQUENCY	SINGLE PHASE	47Hz	50/60Hz	63Hz
AC INPUT CURRENT	TYPICAL INPUT VOLTAGE& OUTPUT AT FULL LOAD.			300mA
AC INRUSH CURRENT	TYPICAL INPUT VOLTAGE& OUTPUT AT FULL LOAD , 25°C.			30A
EFFICIENCY	TYPICAL INPUT VOLTAGE& OUTPUT AT FULL LOAD	70%		

## 2.OUTPUT SPECIFICATION

ITEM	SPECIFICATION	MIN	TYP.	MAX
NORMAL DC OUTPUT VOLTAGE			12Vdc	
DC OUTPUT VOLTAGE RANGE	TYPICAL OUTPUT VOLTAGE $\pm 5\%$	11.4V		12.6V
LOAD CURRENT RANGE		0.1A		1.0A
PEAK LOAD CURRENT	TIME<60S			1.3A
RIPPLE	TYPICAL INPUT VOLTAGE , TYPICAL LOAD CURRENT , 25°C			120mV
HOLD-UP TIME	AT TYPICAL INPUT VOLTAGE AND FULL LOAD	10mS		
OVER CURRENT PROTECTION	AUTO RECOVERY			1S
SHORT CIRCUIT PROTECTRON	THE ADAPTER SHALL NOT DAMAGE BY SHORT THE DC OUTPUT TO GROUND			
OVER VOLTAGE PROTECTION			13.8V	16V

## \*TEST MEASURES



C1: 0.1uF CERAMICS CAPACITOR

C2: 10uF 50V ALUMINUM CAPACITOR

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	DESCRIPTION	SWITCHING POWER AC ADAPTER	SHEET NO.	3 OF 4
			VER:	A1
	MODEL NO.	GFP101U-1210	PART NO.	B507-01

### 3. MECHANICAL

ITEM	SPECIFICATION OR TEST CONDITION	ACCEPTANCE CRITERIA
BENDING TEST	NORMAL TEMPERATURE THE CORD SHALL WITHSTAND WEIGHT OF 200g, SWINGING FROM LEFT TO RIGHT AT AN ANGLE OF 60 DEG. 1000CYCLE TIMES MIN. S/R SHALL WITHSTAND WEIGHT OF 1N. SWINGING FROM LEFT TO RIGHT AT AN ANGLE OF 60DEG. 1000CYCLE TIMES MIN. BENDING SPEED 40CYCLE/MINUTE	NO SHORT CIRCUIT NO BREAKAGE OF THE CORD
VIBRATION	FREQUENCY RANGE:10~55Hz AMPLITUDE:1.5mm ACCELERATION: 1G	THERE SHALL BE NO ABNORMALITY ON THE APPEARANCE STRUCTURE AND OPERATING

### 4. RELIABILITY

ITEM	TEST CONDITION	ACCEPTANCE CRITERIA
TEMPERATURE UP WITH TYPICAL LOAD	TEST AT SURFACE OF THE CASE WITH TYPICAL AC INPUT AND TYPICAL LOAD IN OUTPUT 50/60Hz	TEMPERATURE UP UNDER 35 DEGREES
HI-POT TEST	GRADUALLY RAISED FROM 0 TO THE 2000Vac AND HELD AT THAT VALUE FOR 3S,5mA	NO DAMAGE
INSULATION RESISTANCE	INPUT TO OUTPUT,DC 500V	>50MΩ
MTBF	TYPICAL INPUT&FULL LOAD , 25°C	50000 HOURS
	TYPICAL INPUT&FULL LOAD, 40°C	1YEARS ABOVE
	TYPICAL INPUT&FULL LOAD, 25°C	2YEARS ABOVE
BURN-IN	AT 30°C(±10°C),NORMAL INPUT VOLTAGE	2~4 HOURS

### 5. ENVIRONMENT

ITEM	SPECIFICATION OR TEST CONDITION	min.	typ.	max.
TEMPERATURE		0°C		40°C
STORAGE TEMPERATURE		-20°C		85°C
OPERATING HUMIDITY	NON-CONDENSING	5%RH		90%RH
STORAGE HUMIDITY	NON-CONDENSING	5%RH		90%RH

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DESCRIPTION	SWITCHING POWER	SHEET NO.	4 OF 4
	AC ADAPTER		VER: A1
MODEL NO.	GFP101U-1210	PART NO.	B507-01

## 6. OUTLOOKING

DIMENSION : 46(L)X33.2(W)X23.4(H)mm  
 WEIGHT : ABOUT 85g  
 AC INPUT TYPE : WALL MOUNT  
 DC OUTPUT TYPE : 3.5x1.35x9.5 S TYPE



DC OUTPUT CABLE : USE 2468 22AWG WIRE  
 INDICATION : LABEL  
 CASE MATERIAL : 94V-0 PC +ABS  
 PCB MATERIAL : 94V-0

## 7. SAFETY

COMPLY SAFETY STANDARDS	STANDARD	FILE NO.
PSE		JQE10944

## 8. QC CHECK

ALL OF THE QUANTITY SHALL BE CHECKED BEFORE SHIPMENT, CHECK ITEM AS BELOW:

- (1) DC PLUG POLE CHECK
- (2) OCP FUNCTION CHECK
- (3) DC OUTPUT VOLTAGE CHECK
- (4) HIPOT & INSULATION CHECK
- (5) OUTLOOKING CHECK

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