

GME	DESCRIPTION	SWITCHING POWER AC ADAPTER	SHEET NO.	1 OF 4
			VER:	A1
	MODEL NO.	GFP101U-1210B	PART NO.	B507-05

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 4841



inspired LED

GME	DESCRIPTION	SWITCHING POWER AC ADAPTER	SHEET NO.	2 OF 4
			VER:	A1
	MODEL NO.	GFP101U-1210B	PART NO.	B507-05

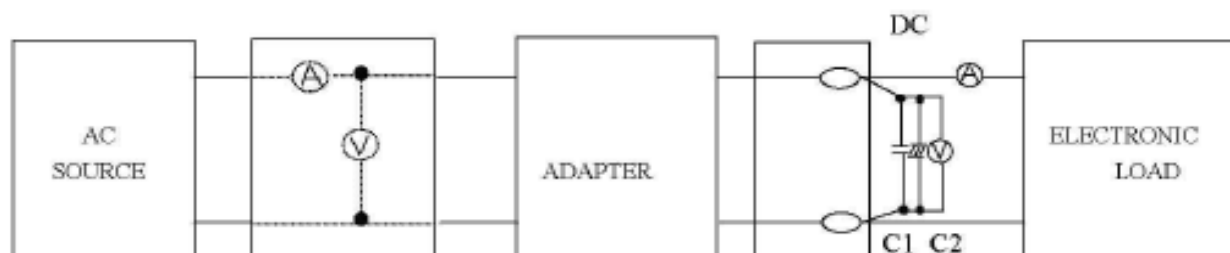
1.INPUT REQUIREMENT

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℃.			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		1A
PEAK LOAD CURRENT	TIME<80S			1.2A
RIPPLE	TYPICAL INPUT VOLTAGE , TYPICAL LOAD CURRENT , 25℃			120mV
HOLD-UP TIME	AT TYPICAL INPUT VOLTAGE AND FULL LOAD	10mS		
TURN-ON DELAY	TYPICAL INPUT VOLTAGE AND TYPICAL LOAD CURRENT			1S
OVER CURRENT PROTECTION	AUTO RECOVERY			
SHORT CIRCUIT PROTECTION	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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GME	DESCRIPTION	SWITCHING POWER AC ADAPTER	SHEET NO.	3 OF 4
			VER:	A1
	MODEL NO.	GFP101U-1210B	PART NO.	B507-05
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 SWEEP 1 MINUTE FOR X,Y,Z,AXIS EACH		THERE SHALL BENO ABNORMALITY ON THE APPEARNCE 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	INPUT TO OUTPUT 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℃		50000 HOURS	
LIFE	TYPICAL INPUT&FULL LOAD, 40℃ TYPICAL INPUT&FULL LOAD, 25℃		1YEARS ABOVE 2YEARS ABOVE	
BURN-IN	AT 30℃(±10℃),NORMAL INPUT VOLTAGE		2~4 HOURS	
5.ENVIRONMENT				
ITEM	SPECIFICATION OR TEST CONDITION	min.	typ.	max.
OPERATING TEMPERATURE		0℃		40℃
STORAGE TEMPERATURE		-20℃		85℃
OPERATING HUMILITY	NON-CONDENSING	5%RH		90%RH
STORAGE HUMILITY	NON-CONDENSING	5%RH		90%RH
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GME	DESCRIPTION	SWITCHING POWER	SHEET NO.	4 OF 4
		AC ADAPTER	VER:	A1
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6.OUTLOOKING

DIMENSION :46.8(L)X33(W)X32.8(H)mm
 WEIGHT :ABOUT 85g
 AC INPUT TYPE : WALL MOUNT
 DC OUTPUT TYPE : 3.5×1.35×9.5 S TYPE

- —  +

DC OUTPUT CABLE :USE UL2468 22AWG WIRE
 INDICATION :LABEL
 CASE MATERIAL :94V-0 ABS+PC
 PCB MATERIAL :94V-0

7.SAFETY

COMPLY SAFETY STANDARDS	STANDARD	FILE NO.
UL CUL		E241618
PSE		JQE10944

EMI
FCC

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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