



# LITEMAX LI1222

## Inverter

(1st Edition 09/27/2007 )

All information is subject to change without notice.

Approved by	Checked by	Prepared by
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## General

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The DC To AC inverter is designed as a low noise high frequency high efficiency as a low profile and light weight switching power supply.

## Feature

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Applicable TO 12 Tube; PWM Type Mode  
Constant Current output  
Possesses open load protection  
No load –output auto stop  
Meet TCO 99

## LCD Application

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			Remark			
LCD SIZE	Lcm Model	Brand				
22"						

JP: Lamp Current & Frequency Adjust

## Operating Conditions

Item	Symbol	Conditions	MIN	MAX	Unit	Remark
Input Voltage	Vin		10	14-	V	
Operating Temperature	Top	Ha=90%RH	0	65	°C	
Storage Temperature	Tstg	Ha=95%RH	-10	80	°C	
Operating Humidity	Hop	Ta=0~55 °C	20	90	%RH	
Storage Humidity	Hstg	Ta=20~80 °C	-	95	%RH	

## Operating Characteristics

Item	Symbol	Conditions	MIN.	TYP.	MAX.	Unit	Remark
Input Voltage	Vin	GND=0V	11	12	14	V	
Input Current (Low Brightness)	IinL	Vin=TYP. ±1% ON VR=MIN (Iout=MIN)	--	100	--	mA	4.8V
Input Current (High Brightness)	IinH	Vin=TYP. ±1% ON VR=MAX (Iout=MAX)	5.1	5.4	5.8	A	CV=0~0.1V
Lamp Current (Low Brightness)	IoutL	Vin=TYP. ±1% ON VR=MIN (Iout=MIN)	--	--	--	mA rms	
Lamp Current (High Brightness)	IoutH	Vin=TYP. ±1% ON VR=MAX (Iout=MAX)	5.0	5.5	6.0	mA rms	CV=0~0.1V
Lamp Frequency			45	48	52	KHZ	
Dimming		Tube Current	0%	-	100%-		
Dimming Frequency			255	270	295	HZ	
Brightness Control		Connection of Voltage	4.8	-	0.15	V	
Output Voltage		CCFT Current =5mA	--	850	--	V	

## Connector Socket

### (CN7) Input Connector

PIN No	Symbol	Description
1~3	Vin	DC+12V
4~6	GND	GND (0V)
7	Brightness	Brightness Control
8	Control	ON/OFF control ON=+5V OFF=0V

### (CN1~CN6) Output Connector

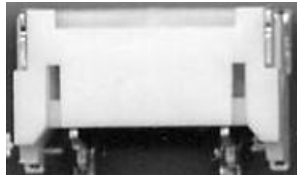
PIN NO	Symbol	Description
1	Output	Lamp High Voltage
2	Output	Lamp High Voltage

### Connector Model No & Brand

Connector No.	Connector Parts No	Brand
CN1~6	SM02(8.0)	JST
CN8	NC	
CN7	S8B-PH-SM3-TB2	JST



S8B-PH-SM3  
(pin1)



SM02 (8.0)  
(pin1)



## Mechanical Characteristics

Dimension: 205mm\*80mm\*10mm

Weight:

### PCB DIMENSION

