



# LITEMAX LI0610

## Inverter

(1st Edition 8/6/2007 )

All information is subject to change without notice.

Approved by	Checked by	Prepared by
David	Sharline	Eric

**LITEMAX Electronics Inc.**  
4F, No.131-3, Lane 235, Bau-chiau Rd.,  
Shin-dian City, Taipei County, Taiwan R.O.C.  
Tel : 886-2-8919-1858  
Fax: 886-2-8919-1300  
Homepage: <http://www.litemax.com.tw>

## General

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

Applicable to 6 Tube Constant Current output  
 Possesses open load protection  
 No load –output auto stop  
 Meet TCO 99

## LCD Application

LCD SIZE	Lcm Model	Brand	Remark			
			JP1	JP2	JP3	JP6
10.4"	G104SN05	AUO				

## 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	10.8	12	13.2	V	
Input Current (Low Brightness)	IinL	Vin=TYP. ±1% ON VR=MIN (Iout=MIN)	40	60	70	mA	CV=4.0V
Input Current (High Brightness)	IinH	Vin=TYP. ±1% ON VR=MAX (Iout=MAX)	1450	1550	1700	mA	CV=0.2V
Lamp Current (Low Brightness)	IoutL	Vin=TYP. ±1% ON VR=MIN (Iout=MIN)	--	--	--	mA rms	CV=4.0V
Lamp Current (High Brightness)	IoutH	Vin=TYP. ±1% ON VR=MAX (Iout=MAX)	5.4	5.9	6.4	mA rms	CV=0.2V
Working			40	42	46	KHZ	

Dimming		Tube Current	1%	-	100%-		
Brightness Control		Connection of Voltage	4	-	0	V	
Output Voltage		CCFT Current =5mA		430		V	

### Connector Socket

#### (CN4) Input Connector

PIN No	Symbol	Description
1	Vin	DC IN
2	Vin	DC IN
3	Brightness	Digital Brightness Control
4	Control	ON/OFF control ON=+5V OFF=0V
5	GND	Ground
6	GND	Ground

#### (CN 2, 3, 5) Output Connector

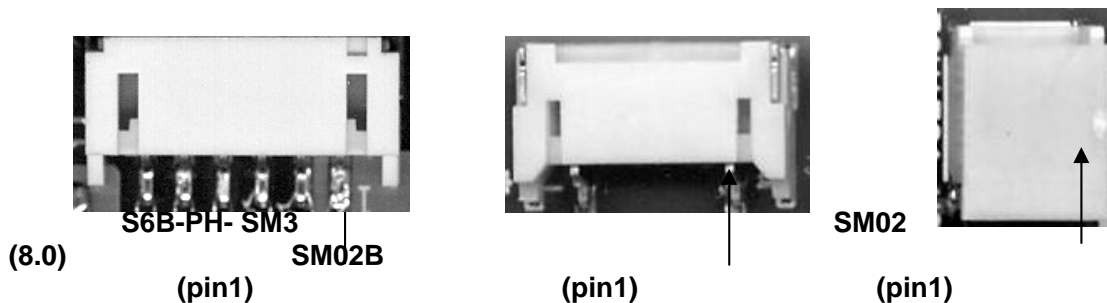
PIN No	Symbol	Description
1	Output	Lamp High Voltage
2	Output	Lamp High Voltage

#### (CN 1) Output Connector

PIN No	Symbol	Description
1	Output	Lamp Low Voltage
2	Output	Lamp Low Voltage

#### Connector Model No & Brand

Connector No.	Connector Parts No	Brand
CN4	S6B-PH-SM3	JST
CN2,3,5	SM02(8.0)	JST
CN1	SM02B	JST



### Mechanical Characteristics

Dimension:124mm \* 50mm \* 11mm  
 Weight: MAX. g

PCB dimension

