LITEMAX
Sunlight Readable LCD!

ENRICH YOUR VISUAL WORLD...

LITEMAX LI3801

Inverter

(1st Edition 8/7/2007)

All information is subject to change without notice.

Approved by	Checked by	Prepared by
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ENVIRONMENT CHARACTERISTICS:

1-1. All Conditions are at 25℃ Ambient unless otherwise specified
1-2. Operating Temperature 0℃~~---+55℃
1-3. Storage Temperature -25℃------+70℃
1-4. Humidity Operating 95%
1-5. Humidity Storage 95%

CONNECTOR PIN ASSIGNMENT:

Input : CN1		Output : CN2~CN7	
Model : 2001J-08-RT(90°)		Model : SM02(8.0)B-BHS-1-TB	
Supplier : ORICH		Supplier : JST	
Pin	Symbol	Pin	Symbol
1	BRT ON/OFF	1	HV
2	BRT ADJ	2	HV
3	GND		
4	GND	Output : CN8	
5	GND	Model : 88260-0200	
6	Vin	Supplier : ACES	
7	Vin	1	RETURN
8	Vin	2	RETURN

TEST INSTRUMENT:
1. OSCILLOSCOPE : TDS380 DIGITAL REAL-TIME OSCILLOSCOPE
2. HIGH VOLTAGE PROBE : TEKTRONIX P5100 (1:100)
3. CURRENT PROBE AMPLIFIER : TEKTRONIX AM503B
4. CURRENT PROBE : TEKTRONIX A6302
5. DC POWER SUPPLY : GW GPC-3060D
6. MULTIMETER : FLUKE 45 DUAL DISPLAY

SCOPE

This document defines the requirements for the CCFL inverter of the TFT-LCD panel.
This product is compatible with **VHB AU2011 20" Twelve Lamp Panel.**

ELECTRICAL CHARACTERISTICS

INPUT Brt. ADJ=0.0V.

PARAMETER	SYMBOL	MIN.	NOM.	MAX.	UNIT	REMARK
INPUT VOLTAGE	Vin	-	12.0	-	V	
INPUT CURRENT	Iin	2520	3200	3880	mA	RL=90K *12 Vin = 12V
LAMP FREQUENCY	FL	52	57	62	KHz	Vrmt=0.0V
OUTPUT CURRENT	Iout	5.0	5.5	6.0	mA	Vrmt=0.0V
OPEN OUTPUT VOLTAGE	Vs	----	1500	----	Vrms	
LAMP VOLTAGE	Vout	----	495	----	Vrms	Vrmt=0.0V

INPUT Brt. ADJ=5.0V..

PARAMETER	SYMBOL	MIN.	NOM.	MAX.	UNIT	REMARK
INPUT VOLTAGE	Vin	----	12.0	----	V	
INPUT CURRENT	Iin	720	1100	1480	mA	RL=90K *12 Vin = 12V
LAMP FREQUENCY	FL	52	57	62	KHz	Vrmt=5.0V
OUTPUT CURRENT	Iout	2.7	3.2	3.7	mA	Vrmt=5.0V

NOTE: All Conditions are at 25℃ Ambient unless otherwise specified

MECHANICAL CHARACTERISTICS