



LITEMAX LID06A01

Inverter

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All information is subject to change without notice.

Approved by	Checked by	Prepared by
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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.

1. LED (Application)

This specification is applied to LED converter unit for 6 " 68pcs LED backlight

2. Operating Characteristics

Item	Symbol	Conditions	MIN.	TYP.	MAX.	Unit	Remark
Input Voltage	Vin		10.0	12.0	14.0	V	
Input Current (Low Brightness)	IinL	VIN=12V,Vadj=5V	0.0	-----	-----	mA	
Input Current (High Brightness)	IinH	VIN=12V,Vadj=0V	0.7	0.9	1.2	A	
LED Current (Low Brightness)	IoutL	VIN=12V,Vadj=5V	0.0	-----	-----	Arms	
LED Current (High Brightness)	IoutH	VIN=12V,Vadj=0V	1215	1350	1480	mA	
Working Frequency	Freq	VIN=12V,Vadj=0V	120	125	130	KHZ	
Brightness Control	Vadj	Connection of Voltage	0.8	-----	4.5	V	
ON/OFF Control	Von/off	Normal Operation	2	-----	5	V	
Output Voltage	Vout	VIN=12V,Vadj=0V	6.0	6.5	7.0	V	
Efficiency	η	VIN=12V,Vadj=0V	80	-----	-----	%	

3. Environment

Operation Temperature	-20 ~ 70°C
Operation Humidity	90% Max. RH
Storage Temperature	-40 ~ 85°C
Storage Humidity	90% Max. RH

4. Connector Socket

4-1. Input Connector :J1 (JST B2B-PH-K-S or Compatible)

PIN No	Symbol	Description
1	Vin	DC+12V
2	Vin	DC+12V
3	Vin	DC+12V
4	GND	Ground
5	GND	Ground
6	GND	Ground
7	Brightness	Brightness Control 5V~0V
8	Control	ON/OFF Control 0.8V(OFF) 2~5V(ON)

4-2 .Output Connector :J2,J3(JST S2B-EH or Compatible)

PIN NO	Symbol	Description
1	Output	LED High Voltage(+)
2	Output	LED Low Voltage (-)

5. Mechanical Characteristics

Dimension: 100mm*35mm*15mm

INPUT CONNECTOR

LJ1:

- PIN1:VIN
- PIN2:VIN
- PIN3:VIN
- PIN4:GND
- PIN5:GND
- PIN6:GND
- PIN7:BRIGHTNESS
- PIN8:ON/OFF

