

SPECIFICATION CONTENT LIST

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6. BUM LOCATION LIST/**NONE**.....
7. PCB LAYOUT/**NONE**.....
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AB-A301-V.02S : One Lamp

DC TO AC INVERTER SPECIFICATION

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

1.Features

- (1) Constant current output to control brightness.
- (2) Auto shut off during.
- (3) High Performance, High Efficiency.
- (4) Low Noise, Low leakage.
- (5) Fixed output frequency does not effect by brightness adjustment.

2. Application

LCD Type	LCD Part No	Brand	Remark
7"	TX16D11VM2CAA	Hitachi	

3.Operating Conditions

Item	Mark	Condition	Min	Max	Unit	Remark
Operating Temperature	Top	Ha=90% RH under	-10	60	°C	
Storage Temperature	Tstg	Ha=95% RH under	-30	75	°C	
Operating Humidity	Hop	Ta=0~65°C	20	90	% RH	
Storage Humidity	Hstg	Ta=20~80°C	-	95	% RH	

4.Operating Characteristics

Item	Symbol	Condition	Min	Typ	Max	Unit	Remark
Input Voltage	Vin	GND=0V	10.5	12	13.5	V	
Input Current (Low Brightness)	I in L	Vin=TYP.±1% ON VR=MIN (Iout=MIN)	70	85	100	mA	
Input Current (High Brightness)	I in H	Vin=TYP.±1% ON VR=MAX (Iout=MAX)	210	230	250	mA	
Lamp Current (Low Brightness)	I out L	Vin=TYP.±1% ON VR=MIN (Iout=MIN)	1.0	1.5	2.0	mA rms	
Lamp Current (High Brightness)	I out H	Vin=TYP.±1% ON VR=MAX (Iout=MAX)	5.5	6.0	6.5	mA rms	
Working Frequency			48	50	52	KHZ	
Output Voltage		CCFT Current=6mA		410		Vrms	VP=590V
Brightness Control		Connection of Voltage	5	-	0	Vdc	

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4.Connection pin assignment

4-1. (P1) Input Connector

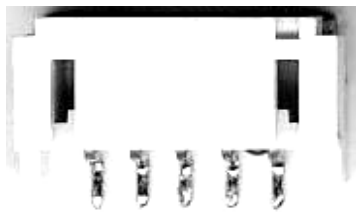
PIN No	Symbol	Description
1	Vin	DC: +12V
2	GND	Ground
3	Brightness	Digital Brightness Control(5V ~ 0Vmax)
4	GND	Ground
5	Enable	Enable=+5V , Disable=0V

4-2 (P2) Output Connector

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

4-3 Connector Model No & Brand

Location	Model No	Brand	Pitch	Pins
P1	2003P05SOT	LANDWIN	2.0 mm	5
P2	3502P0210T-1	LANDWIN	3.0 mm	2



2003P05SOT

(pin1)



3502P0210T-1

(pin1)

5. MECHANICAL CHARACTERISTICS

Dimension: 91.8mm L * 16mm W * 9.0mm H

Weight: MAX. 10g

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PCB Dimension & Screw Hole Location :

Screw hole = 3.0mm

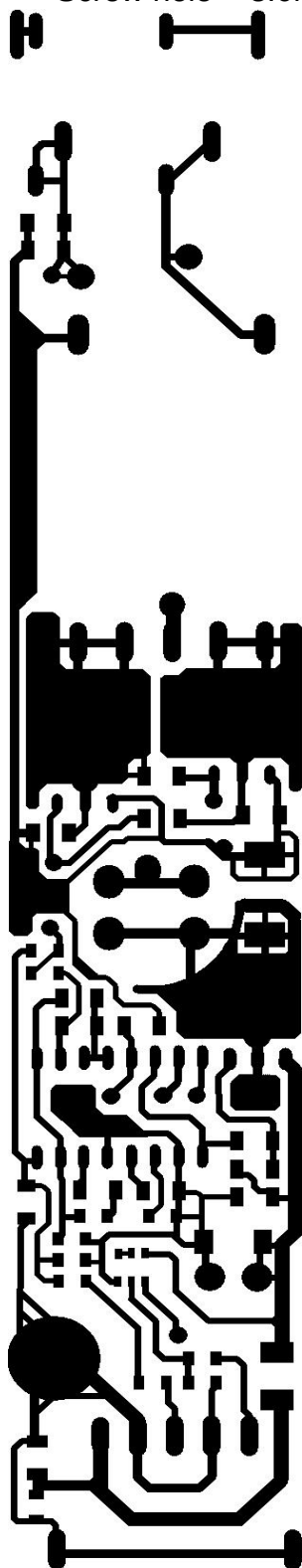


Fig. Top layer

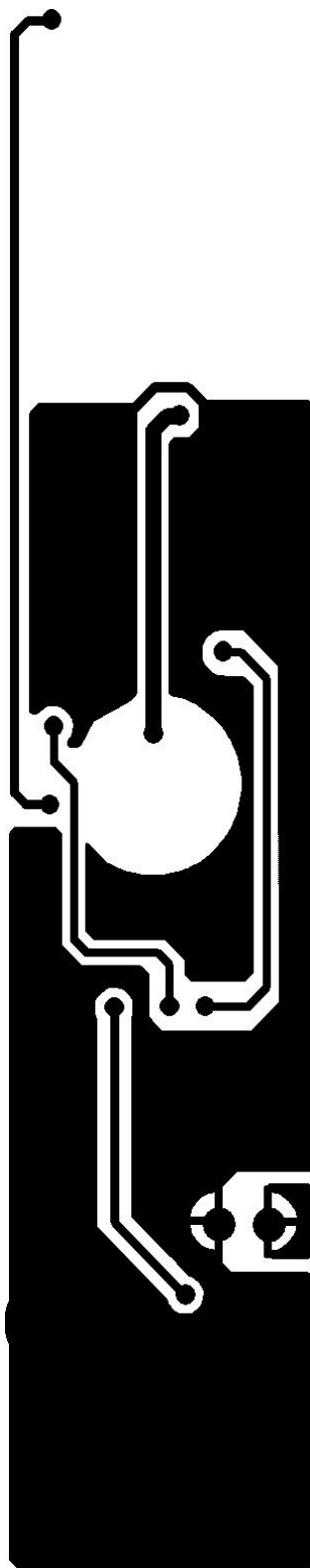


Fig. Bottom layer

