

GH001A



Feature

- *Analog Dimming*
- *Current Feedback Circuit*
- *High Efficiency*
- *Low noise with voltage resonant circuit*
- *Regulated output current*

1. APPLICATION

This is a DC to AC Inverter which is developed for driving 2 lamp type cold cathode Fluorescent Lamp(CCFL) panel backlight system

2. SUITABLE LOAD

LCD MODULE : 12.1~15" 2 LAMP TFT LCD

GREEN C&C TECH	INVERTER SPECIFICATION GH001A	
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3. ELECTRICAL CHARACTERISTICS

3-1. Absolute Maximum Ratings

ITEM	SYMBOL	SPEC	UNIT	REMARKS
INPUT VOLTAGE1	Vin1	10.8~13.2	V	
INPUT VOLTAGE2	BL_ON/OFF	4.9~5.1	V	
INPUT VOLTAGE3	BRT-ADJ	0~13.2	V	
OPERATING TEMPERATURE	Top	-20~60	℃	
STORAGE TEMPERATURE	Tstg	-30~80	℃	
RELATIVE HUMIDITY	RH	90	%	

3-2. Control Signal

PIN NO.	SYMBOL	STATUS	ACTION	REMARKS
CN1 #3	BL_ON/OFF	HIGH	LAMP(CCFL)-ON	2.4~5.25V
		LOW	LAMP(CCFL)-OFF	0.8V MAX

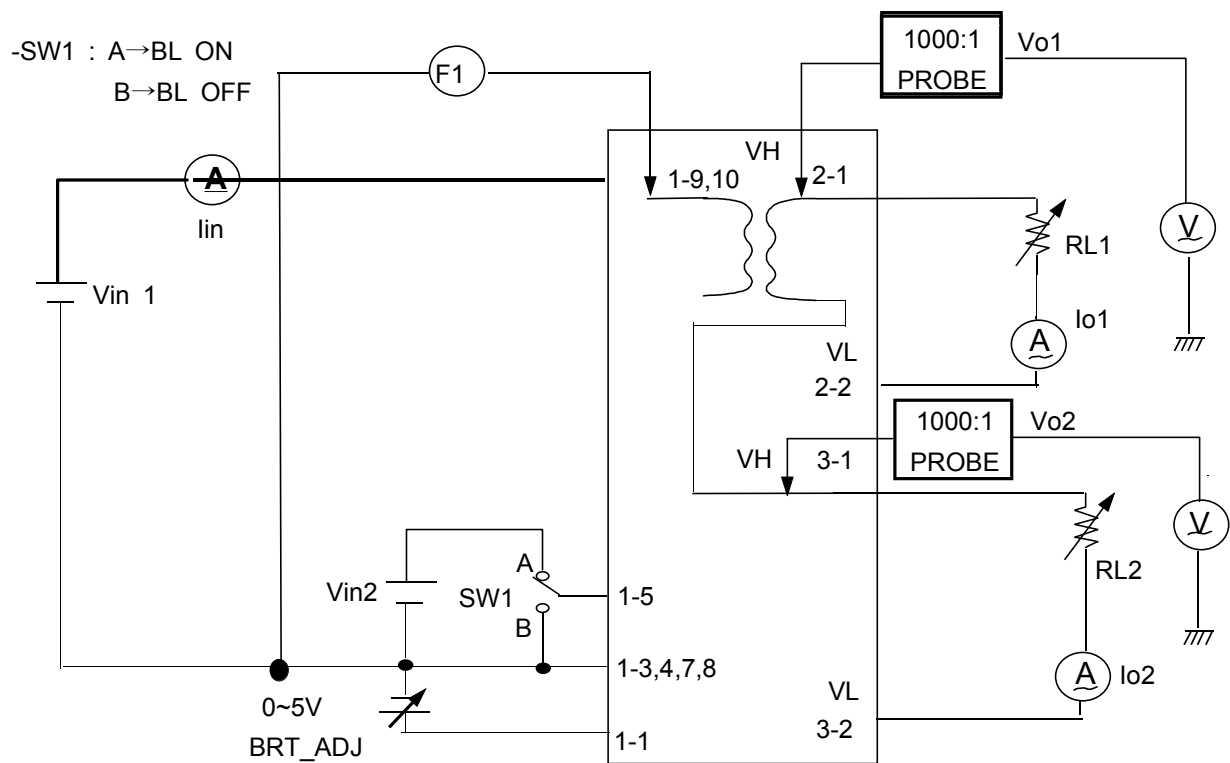
3-3. Output Characteristics

ITEM	SYMBOL	CONDITION			SPECIFICATION			UNIT
		Vin(V) (DC-IN)	BRT- ADJ	LAMP	MIN	TYP	MAX	
OUTPUT CURRENT	Io1(max)	12	0V	LAMP	7.5	8.0	8.5	mArms
	Io1(min)	12	5V	LAMP	2.5	3.0	3.5	
	Io2(max)	12	0V	LAMP	7.5	8.0	8.5	
	Io2(min)	12	5V	LAMP	2.5	3.0	3.5	
INPUT CURRENT	Iin(1)	12	0V	LAMP	0.6	0.9	1.2	ADC
FREQUENCY	F(1)	12	0V	LAMP	45	50	55	KHz
FREQUENCY	F(2)	12	0V	LAMP	45	50	55	kVrms



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3.4 Test Circuit



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4. INTERFACE

4.1 CN1 CONNECTOR :12505WR-10A00(P)(YEONHO) or equivalent

PIN NO	SYMBOL	REMARK
1	BRT_ADJ	0 ~ 5V
3,4,7,8	GND	Ground
5	BL ON/OFF	CCFL Drive SIGNAL(Active HIGH)
2,6	N.C	No Connection
9,10	DC-IN(Vin)	DC INPUT Power (11.5~12.5V)

4.2 CN2 CONNECTOR : 20015WR-05A00(P)(YEONHO) or equivalent

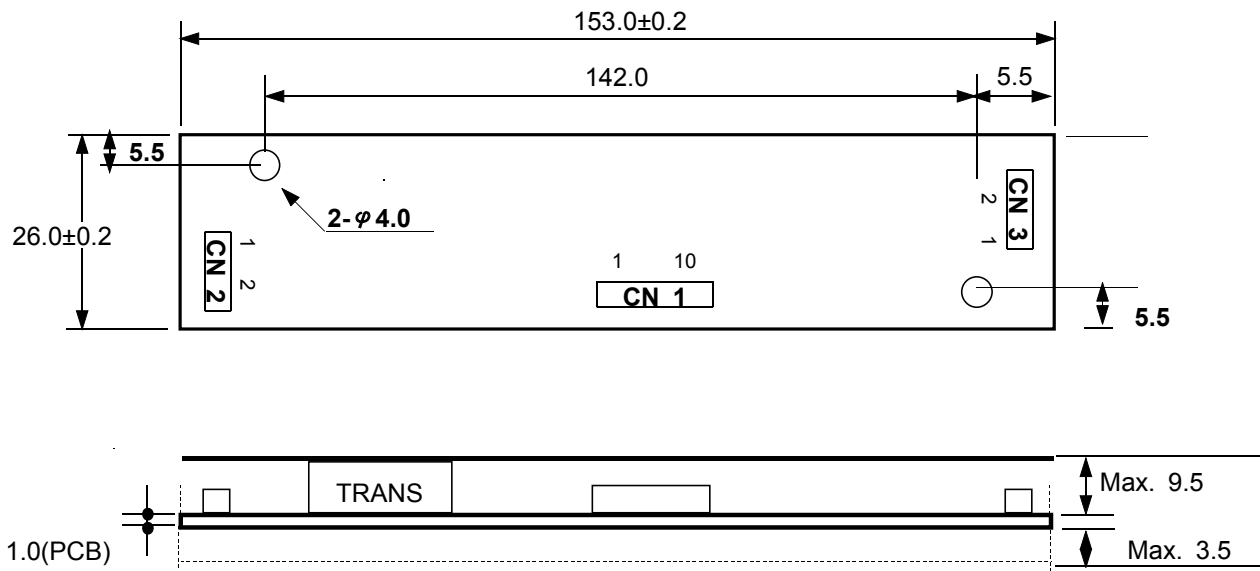
PIN NO.	SYMBOL	REMARK
1	HOT	HIGH
2	COLD	LOW

4.3 CN3 CONNECTOR : 20015WR-05A00(P)(YEONHO) or equivalent

PIN NO.	SYMBOL	REMARK
1	HOT	HIGH
2	COLD	LOW

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5. APPEARANCE (UNIT : mm)



6. NOTATION OF LOT NUMBER

MARKING : BOTTOM OF PCB.



GH001A	: USER MODEL CODE
G	: MANUFACTURER CODE (GREEN C&C TECH.)
7	: YEAR OF PRODUCT 2007 → 7 , 2008 → 8 , ... , 2011 → 1
04	: WEEK OF PRODUCT 01,02,03,04,...52
0001	: SERIAL NUMBER 0001,0002.....9998,9999
AC	: GCCT MODEL CODE (GCCT001AC)

