INVERTER SPEC

▣ PRODUCT : CCFL BACKLIGHT INVERTER

▣ MODEL NAME : AT-0151LS REV.E

WRITTEN	CHECKED	APPROVAL

P.I.S Corporation

Head Office : 16-2Block, 456-4, Moknae-dong,
Ansan-city, Kyonggi-do, 425-100, Korea

TEL : +82-31-492-2145

FAX : +82-31-492-2147

PIS Corp.
Power Inverter Solution

PIS Corp. Power Inverter Solution	SPECIFICATION	▣ MODEL : AT-0151LS ▣ DATE : 2003. 08. 08

1. APPLICATION

This Document Specified The Detailed Product Requirements of Inverter AT-0151LS

2. SUITABLE LOAD

LCD MODULE : 6.4 ~ 12.1 " 2CCFL LCD module .

3. ELECTRICAL CHARACTERISTICS

1)Absolute Maximum Ratings

ITEM	SYMBOL	SPEC	UNIT	REMARKS
INPUT VOLTAGE1	Vin 1	11.0 ~ 13.0	V	
INPUT VOLTAGE2	Vin 2	4.8 ~ 5.2	V	
OPERATING TEMPERATURE	Top	0 ~ 50	℃	
STORAGE TEMPERATURE	Tstg	-30 ~ 80	℃	
RELATIVE HUMIDITY	RH	90	%	

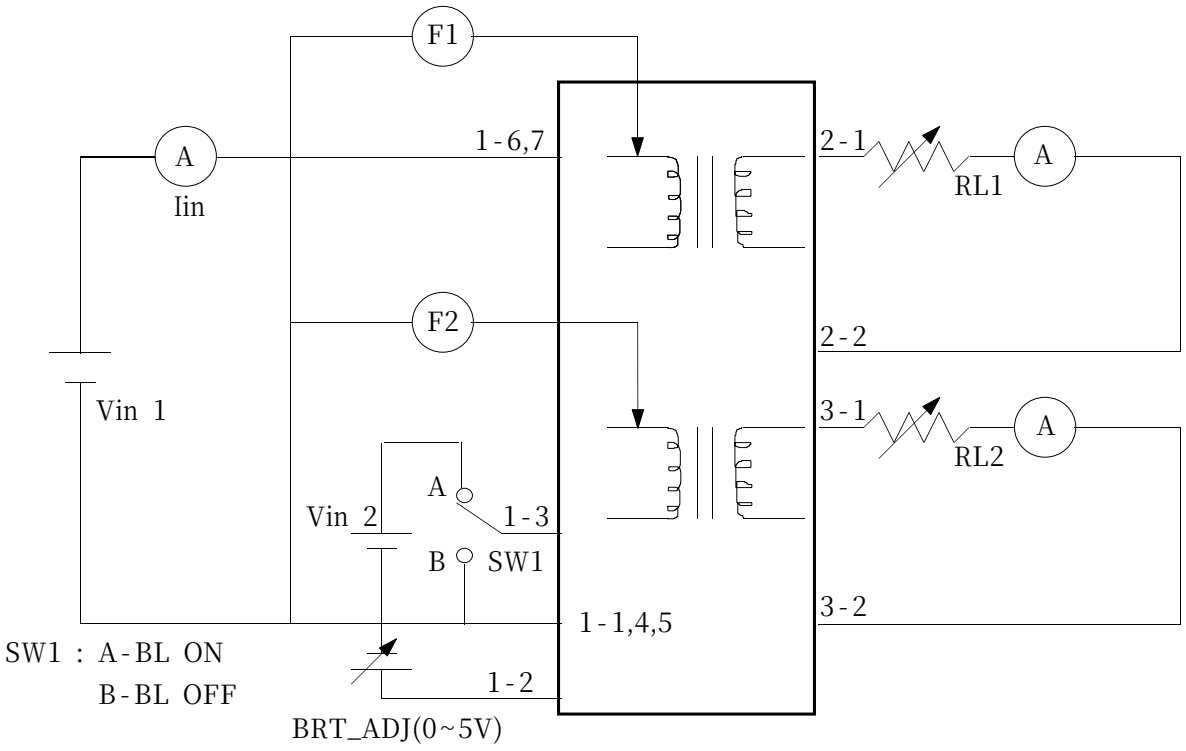
2)Control Signal

PIN NO	SYMBOL	STATUS	ACTION	REMARKS
CN1 #3	BKLT_ON	HIGH	LAMP(CCFL)-ON	3.0V~5.0V
		LOW	LAMP(CCFL)-OFF	0 ~ 0.3V

3)Output Characteristics

ITEM	SYMBOL	CONDITION			SPECIFICATION			UNIT
		Vin1(V) (DC-IN)	BRT-ADJ	RL(kΩ) (Ref)	MIN	TYP	MAX	
OUTPUT CURRENT	Io1 (max)	11~13	0V	80±0.5	6.0	6.5	7.0	mArms
	Io1 (min)	11~13	5V	80±0.5	2.5	3.0	3.5	
	Io2 (max)	11~13	0V	80±0.5	6.0	6.5	7.0	
	Io2 (min)	11~13	5V	80±0.5	2.5	3.0	3.5	
INPUT CURRENT	Iin	12	0V	80±0.5	0.7	0.8	0.9	ADC
FREQUENCY	F1	12	0V	80±0.5	40	50	60	KHz
FREQUENCY	F2	12	0V	80±0.5	40	50	60	KHz
DIMMING FREQUENCY	F_D	12	5V	80±0.5	100	200	300	Hz

4)Test Circuit



4. INTERFACE

1) CN1 CONNECTOR : 12505WR-07(YEONHO)
or 53261-0790(MOLEX)

PIN NO	SYMBOL	REMARK
6,7	DC-IN(Vin)	DC INPUT POWER(12V)
3	BL ON/OFF	CCFL DRIVE SIGNAL
2	BRT_ADJ	0 ~ 5V
1,4,5	GND	GND

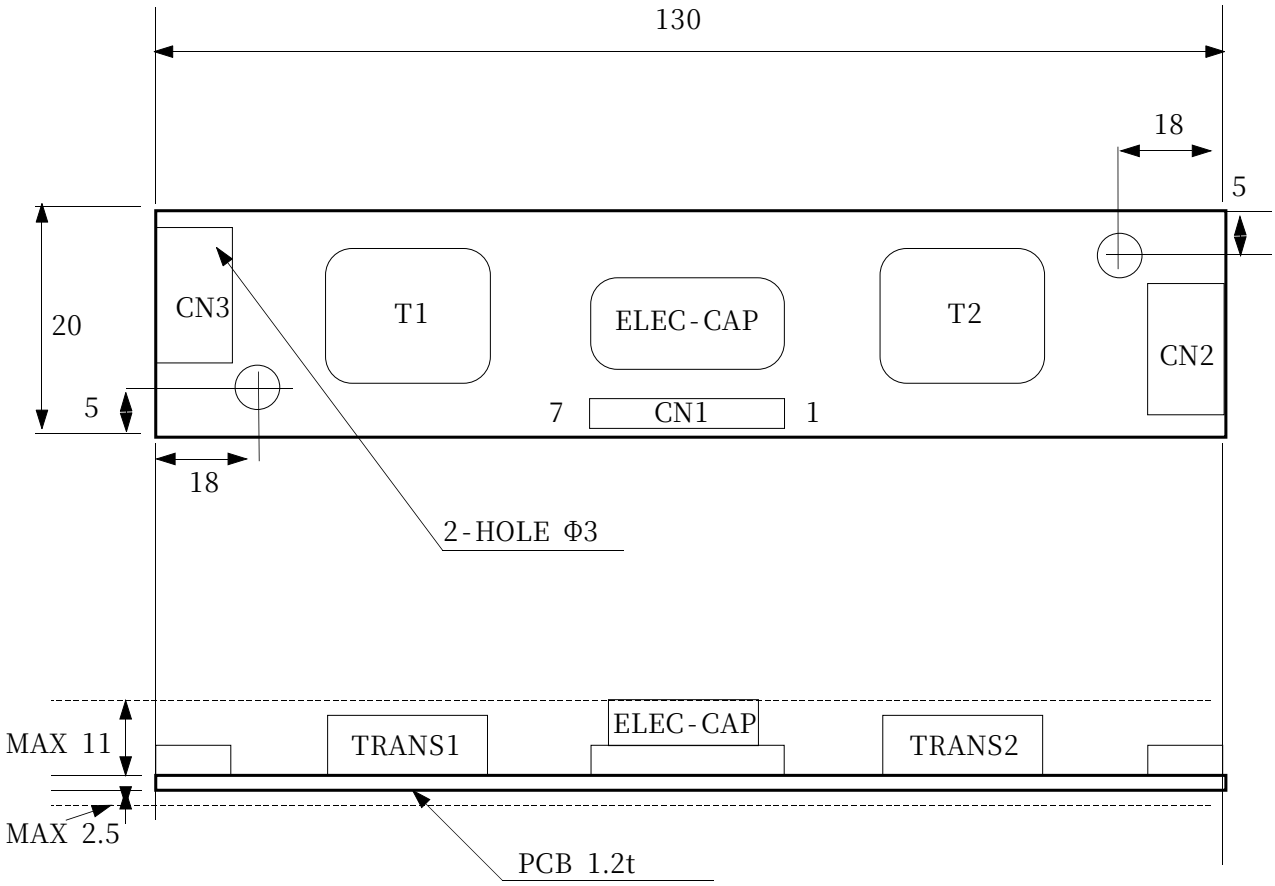
2) CN2 CONNECTOR : ▶ 20015WR-05A00(YEONHO)
or 68174-0217(MOLEX)
or SM02(8.0)B-BHS-1-TB(JST)
▶ 35001WR-02(YEONHO)
or 68176-0217(MOLEX)
or SM02B-BHSS-1-TB(JST)

PIN NO	SYMBOL	REMARK
1	HOT	HIGH
2	COLD	LOW

3) CN3 CONNECTOR : ▶ 20015WR-05A00(YEONHO)
or 68174-0217(MOLEX)
or SM02(8.0)B-BHS-1-TB(JST)
▶ 35001WR-02(YEONHO)
or 68176-0217(MOLEX)
or SM02B-BHSS-1-TB(JST)

PIN NO	SYMBOL	REMARK
1	HOT	HIGH
2	COLD	LOW

5. APPEARANCE (UNIT:mm)



TOLERANCE : ± 0.2mm