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APPROVED BY:		TOTAL PAGE : 3
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MATERIAL	SPECIFICATIONS
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PART NAME :

CCFL INVERTER

CODE NO. :

IA-EM02A1 (51-30000-5)

FOR MESSRS :

CUSTOMER'S APPROVAL

DATE :

BY :

EMERGING DISPLAY
TECHNOLOGIES CORPORATION

CODE NO.

51-30000-5

VERSION

1

RECORDS OF REVISION

DOC. FIRST ISSUE

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PAGE
NO.

SUMMARY

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1. FEATURE

1.1 1CM CCFL DRIVING INVERTER UNIT.

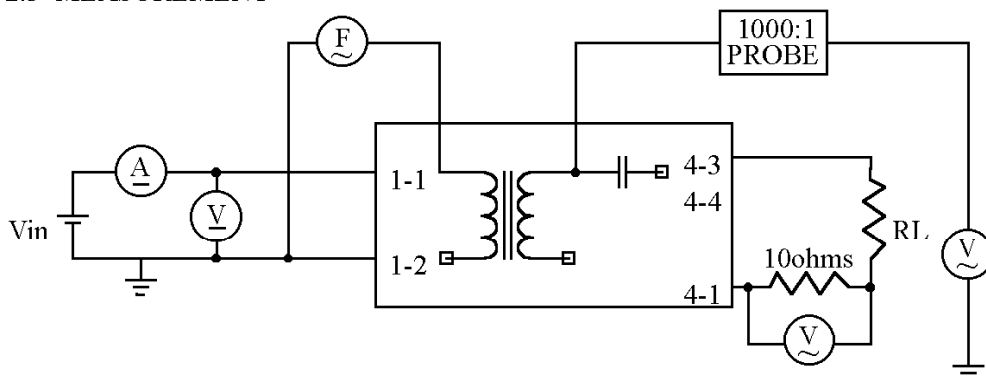
2. ELECTRICAL SPECIFICATION

2.1 OPERATION VOLTAGE : 4V~6V

2.2

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT	MAKER
INPUT VOLTAGE	V _{in}	4.5	5	5.5	V	All value is base on V _{in} = 5V Load = 41K ohms T _a = 25°C
INPUT CURRENT	I _{in}	260	300	350	mA	
OSCILLATION FREQUENCY	f	43.0	48.0	53.0	KHZ	
OUTPUT CURRENT	I _{out}	4.3	5	5.7	mA _{rms}	
OUTPUT OPEN VOLTAGE	V _{open}	600	735	830	V _{rms}	
OUTPUT LOAD VOLTAGE	V _{load}	—	240	—	V _{rms}	

2.3 MEASUREMENT



NOTE : The probe be connected to inverter when you want to measurement the output open voltage .

2.3.1 TEST EQUIPMENT

- (A) DC CURRENT METER
2011 (YEW) or equivalent
DIGITAL Mutil-Meter
- (V) GDM-8145(GW) or equivalent
- (V) RMS VOLTAGE METER
HP 3400B(HP).PROBE HP1137A(HP)
- (F) FREQUENCY COUNTER
1212(Topward) or equivalent

3. INTERVACE SIGNALS

3.1 INPUT CONNECTOR : (JAE IL-S-2P-S2T2-EF)

PIN NO.	SIGNAL
JP1-1	V _{in}
JP1-2	GND

3.2 OUTPUT CONNECTOR : (JAE IL-G-4P-S3L2-E)

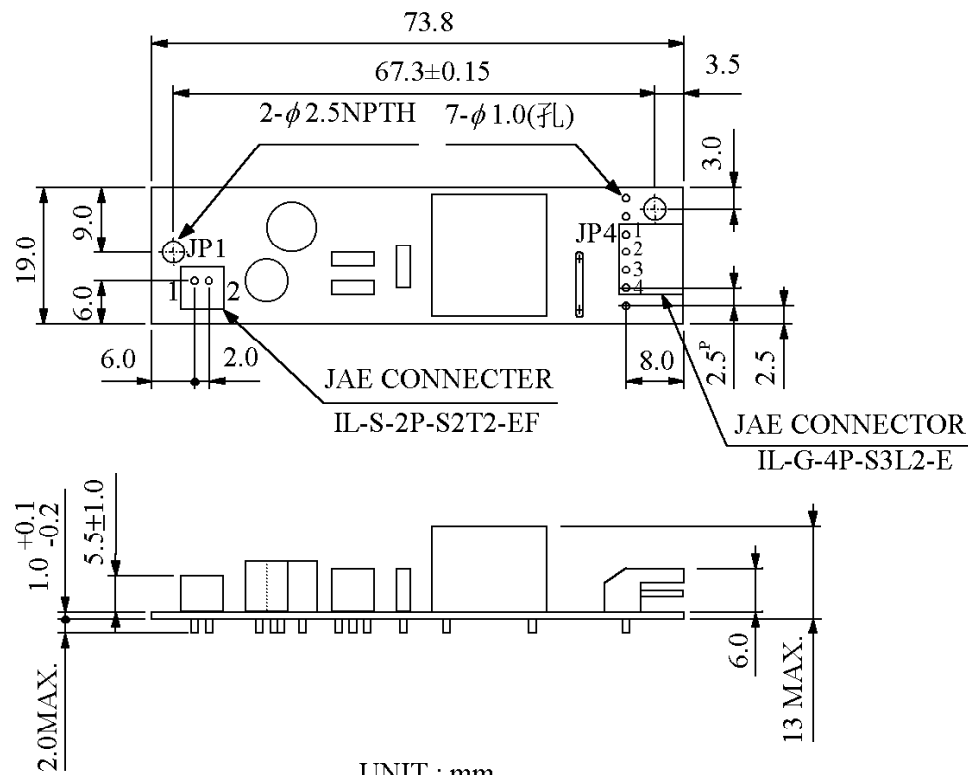
PIN NO.	SIGNAL	PIN NO.	SIGNAL
JP4-1	VL	JP4-3	VH
JP4-2	NC	JP4-4	VH

4. OPERATING ENVIRONMENT

OPERATING TEMPERATURE RANGE : -10~50℃ Less than 95%RH .

STORAGE TEMPERATURE RANGE : -20~80℃ Less than 95%RH .

5. DIMENSION



UNIT : mm
SCALE : NTS
NOT SPECIFIED TOLERANCE IS ±0.5 mm