1. FEATURE :

ITEMS	MECHANICAL SPECIFICATION
Module Dimension	166.8 × 109.0mm
Viewing Area	122.0 × 92.0 mm
Dot Size	0.34 × 0.34 mm
Dot Pitch	0.36 × 0.36 mm
Mounting Hole	152.0 × 101.0 mm
1. 320×240 dots	
2. +5V power supply	
3. 1/240duty cycle	
4. No controller	
5. Touch screen option (analog type)	

2. ELECTRONICAL CHARACTERISTICS :

ITEM	SYM	CONDITION	MIN	TYP	MAX	UNIT
Input Voltage	VDD	L LEVEL	0.7VDD	—	VDD	V
	VIO	H LEVEL	0	—	0.3VDD	V
Supply Current	IDD	VDD＝5V	—	7.5	—	mA
Recommended LC Driving Voltage for Normal Temp. Version Module	VDD－V0	0℃	22.0	23.0	24.0	V
		25℃	21.3	22.2	23.0	
		50℃	19.5	20.8	22.1	
CCFL Starting Voltage	VFLS	25℃	—	600	—	Vrms
CCFL Driving Voltage	VFLD	25℃	—	268	—	Vrms
CCFL Driving Current	IFLD	VFQ=450Vrms 30KHZ	—	5.0	—	mArmS
LED Forward Voltage	VF	25℃	—	4.2	4.6	V
LED Forward Current	IF	25℃	—	180	360	mA
EL Power Supply Current	IEL	VEL=110VAC;400HZ	—	—	5.0	mA

3. ABSOLUTE MAXIMUM RATINGS :

ITEM	SYM	MIN	TYP	MAX	UNIT
Power Supply	VDD-VSS	4.75	5.0	5.25	V
Input Voltage	VI	-0.3	—	VDD	V

4. INTERFACE PIN CONNECTIONS :

NO	SYM	FUNCTION
1	DB0	DATA BUS LINE
2	DB1	DATA BUS LINE
3	DB2	DATA BUS LINE
4	DB3	DATA BUS LINE
5	DISPOFF	H:NO L : OFF
6	~~FRAME~~	FIRST LINE MARKER
7	M(NC)	FRAME REVERSE SIGNAL (ALTERNATE SIGNAL)
8	LP	DATA LATCH
9	CP	DATA SHIFT
10	VDD	POWER SUPPLY FOR LOGIC
11	VSS	GND
12	VEE	POWER SUPPLY FOR LCD
13	VO	OPERATING VOLTAGE LCD DRIVING
14	FGND	FLM GROUND

5.DIMENSION DRAWING :