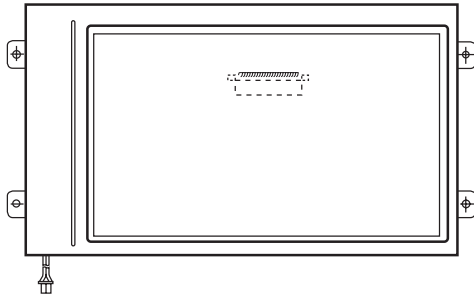


480 x 320 Dots Graphic LCD



FEATURES

- 480 x 320 dots FSTN
- 8-bits data bus
- 3.3 power supply
- 1/320 duty cycle
- White LED backlight

MECHANICAL DATA		
ITEM	STANDARD VALUE	UNIT
Module Dimension	156.0 x 94.9	mm
Viewing Area	120.2 x 81.8	mm
Dot Size	0.228 x 0.228	mm
Dot Pitch	0.24 x 0.24	mm
Mounting Hole	150 x 56.8	mm

ABSOLUTE MAXIMUM RATING					
ITEM	SYMBOL	STANDARD VALUE			UNIT
		MIN.	TYP.	MAX.	
Power Supply	VDD-VSS	–	3.3	–	V
Input Voltage	VEE	–	23.5	–	V

NOTE: VSS = 0 Volt, VDD = 5.0 Volt

ELECTRICAL SPECIFICATIONS						
ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT
			MIN.	TYP.	MAX.	
Input Voltage	VDD	L level	$0.9V_{DD}$	–	–	V
	VIO	H level	–	–	$0.1V_{DD}$	V
Recommended LC Driving Voltage for Normal Temp. Version Module	VDD - V0	0°C	–	24.7	–	V
		25°C	–	23.5	–	
		50°C	–	22.5	–	
LED	VF	25°C	–	3.5	–	V
LED	IF	25°C	–	140	–	mA
Power Consumption	–	VDD = 5V VEE = 25.5V	–	6	–	mA

PIN NUMBER	SYMBOL	FUNCTION
1	Vss	GND
2	Vss	GND
3	Vdd	Power Supply for Logid (3.3V)
4	S	Scan Start-up Signal
5	M(NC)	Frame Reverse Signal (Alternate Signal)
6	CP1	Data Latch Signal
7	ENAB	Display Data Enable Signal
8	CLK	Data Shift Pulse
9	DB0	Display Data Signal
10	DB1	Display Data Signal
11	DB2	Display Data Signal
12	DB3	Display Data Signal
13	DB4	Display Data Signal
14	DB5	Display Data Signal
15	DB6	Display Data Signal
16	DB7	Display Data Signal
17	Vee	Power Supply for LCD
18	Vdd	Power Supply for Logic
19	Vss	GND
20	Vss	GND

DIMENSIONS in millimeters

