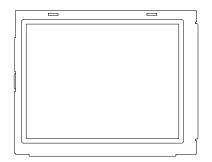


320 x 240 Dots Graphic LCD



FEATURES

- 320 x 240 dots FSTN
- 4-bit data bus
- Built-in EL backlight & EL inverter
- + 5 V power supply
- 1/240 duty cycle

MECHANICAL DATA				
ITEM	STANDARD VALUE U			
Module Dimension	92.2 (H) x 73.3 (W) x 7.8	mm		
Viewing Area	81.4 x 62.2	mm		
Dot Size	0.22 x 0.22	mm		
Dot Pitch	0.24 x 0.24	mm		

ABSOLUTE MAXIMUM RATING						
ITEM	SYMBOL	STAN	LINIT			
I I EW	STIMBUL	MIN.	TYP.	MAX.	UNIT	
Power Supply	VDD-VSS	-	5.0	6.5	V	
Input Voltage	VI	0.8 V _{DD}	-	VDD	V	

NOTE: VSS = 0 Volt, VDD = 5.0 Volt

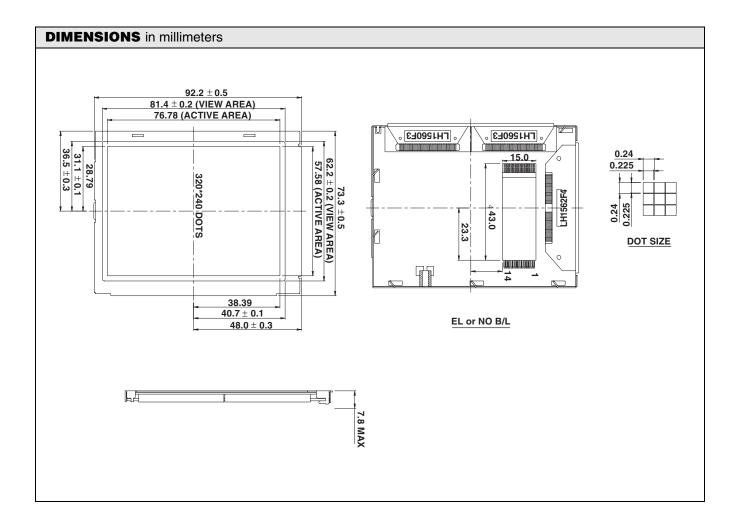
ELECTRICAL SPECIFICATIONS						
ITEM	SYMBOL CONDITION	CONDITION	STANDARD VALUE			
		MIN.	TYP.	MAX.	UNIT	
Input Voltage	VDD	L level	0.8 V _{DD}	-	V _{DD}	V
	VIO	H level	V _{SS}	-	0.2 V _{DD}	V
Supply Current	IDD	VDD = 5 V	-	-	-	mA
Recommended LC Driving		0 °C	-	-	-	
Voltage for Normal Temp.	VDD - V0	25 °C	-	21.6	-	V
Version Module		50 °C	-	-	-	
LED Forward Voltage	VF	25 °C	-	-	-	V
LED Forward Current	IF	25 °C	-	-	-	mA
Power Consumption	-	VDD = 5 V VEE = 21.6 V VEL = 5 V	-	0.52	-	mA

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PIN NUMBER	SYMBOL	FUNCTION		
1	CL2 (SCP)	Data Shift Pulse		
2	CL1 (LP)	Data Latch Pulse		
3	FLM	Scan Start-Up Signal		
4	M (N.C)	Frame Reverse Signal (Alternate Signal)		
5	DB0	Display Data		
6	DB1	Display Data		
7	DB2	Display Data		
8	DB3	Display Data		
9	Vee	Power Supply for LCD (+V)		
10	Vdd	Power Supply for LOGIC		
11	Vss	Power Supply (0 V)		
12	BLE	H:EL Enable L:EL Disable		
13	V _{ELG}	Power Supply for EL (GND, 0 V)		
14	V _{EL}	Power Supply for EL (+)		





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