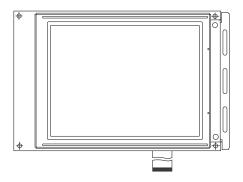




320 x 240 Dots Graphic LCD



MECHANICAL DATA				
ITEM	STANDARD VALUE	UNIT		
Module Dimension	166.8 x 109.0	mm		
Viewing Area	122.0 x 92.0	mm		
Dot Size	0.34 x 0.34	mm		
Dot Pitch	0.36 x 0.36	mm		
Mounting Hole	152.0 x 101.0	mm		

FEATURES

- 320 x 240 dots
- + 5V power supply
- 1/240 duty cycle
- · No controllers
- Touch screen option (analog type)

ABSOLUTE MAXIMUM RATING					
ITEM	SYMBOL	STAN	UNIT		
		MIN.	TYP.	MAX.	
Power Supply	VDD-VSS	4.75	5.0	5.25	V
Input Voltage	VI	- 0.3	_	VDD	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	0.7V _{DD}	_	V _{DD}	V
	VIO	H level	0	_	0.3V _{DD}	V
Supply Current	IDD	VDD = + 5V	_	7.5	-	mA
Recommended LC Driving		0°C	22.0	23.0	24.0	
Voltage for Normal Temp.	VDD - V0	25°C	21.3	22.2	23.0	V
Version Module		50°C	19.5	20.8	22.1	
CCFL Starting Voltage	VFLS	25°C	_	600	_	Vrms
CCFL Driving Voltage	VFLD	25°C	_	268	_	Vrms
CCFL Driving Current	IFLD	VFQ = 450Vrms 30KHz	_	5.0	_	mArms
LED Forward Voltage	VF	25°C	_	4.2	4.6	V
LED Forward Current	IF	25°C	_	180	360	mA
EL	IEL	Vel = 110VAC; 400Hz	_	_	5.0	mA

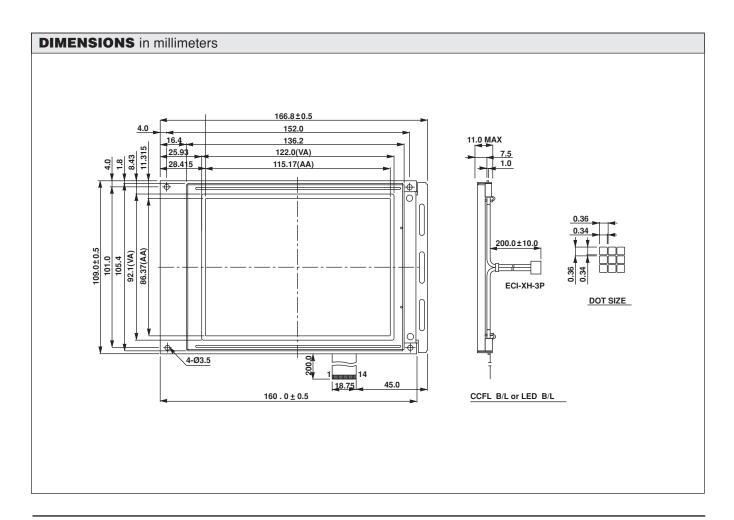
LCD-320G240A

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320 x 240 Dots Graphic LCD



PIN NUMBER	SYMBOL	FUNCTION	
1	DB0	Data Bus Line	
2	DB1	Data Bus Line	
3	DB2	Data Bus Line	
4	DB3	Data Bus Line	
5	DISPOFF	H: ON L: OFF	
6	FRAME	First Line Marker	
7	M(NC)	Frame Reverse Signal (Alternate Signal)	
8	LP	Data Latch	
9	СР	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	Film Ground	





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