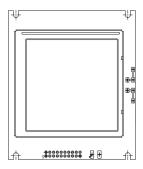




160 x 160 Dots Graphic LCD



MECHANICAL DATA				
ITEM	STANDARD VALUE	UNIT		
Module Dimension	85.0 x 100.0	mm		
Viewing Area	62.0 x 62.0	mm		
Dot Size	0.34 x 0.34	mm		
Dot Pitch	0.38 x 0.38	mm		

FEATURES

- Built-in controller (LC7981)
- 1/160 duty cycle
- N.V. optional
- + 5V power supply

ABSOLUTE MAXIMUM RATING					
ITEM	SYMBOL	STANDARD VALUE 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	_	_	0.3V _{DD}	V
Supply Current	IDD	VDD = 5V	_	7.3	8.4	mA
Recommended LC Driving		- 20°C	16.5	18.0	19.5	
Voltage for Normal Temp.	VDD - V0	25°C	15.5	17.0	18.5	V
Version Module		60°C	14.5	16.0	17.5	
LED Forward Voltage	VF	25°C	_	4.2	4.6	V
LED Forward Current	IF	25°C	_	500	1000	mA
EL	IEL	Vel = 110VAC; 400Hz	_	_	5.0	mA

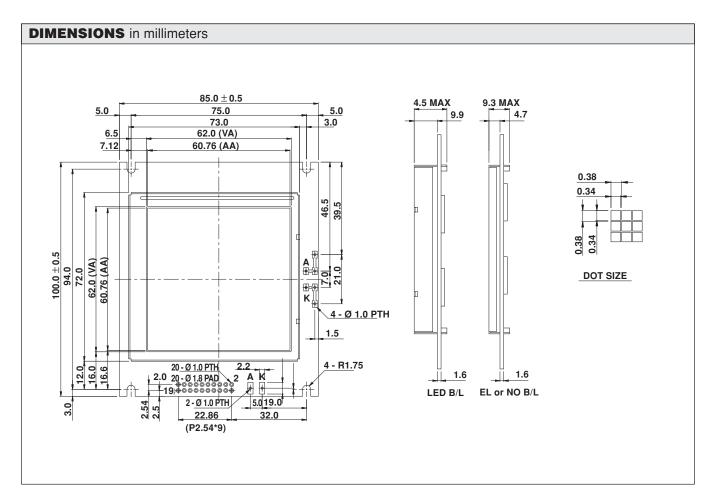
LCD-160G160B

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160 x 160 Dots Graphic LCD



PIN NUMBER	SYMBOL	FUNCTION
1	FGND	Frame Ground
2	Vss	Power Supply (GND)
3	Vdd	Power Supply (+ 5V)
4	Vo	Contrast Adjustment
5	R/\overline{W}	Data Read/Write
6	E	Enable Signal
7	CS	Chip Select
8	RS	Data Instruction Select
9	NC	No Connection
10	RST	Reset Signal
11	DB0	H/L Data Bus Line
12	DB1	H/L Data Bus Line
13	DB2	H/L Data Bus Line
14	DB3	H/L Data Bus Line
15	DB4	H/L Data Bus Line
16	DB5	H/L Data Bus Line
17	DB6	H/L Data Bus Line
18	DB7	H/L Data Bus Line
19	NC	No Connection
20	NC/Vee	NC/Negative Voltage Output





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