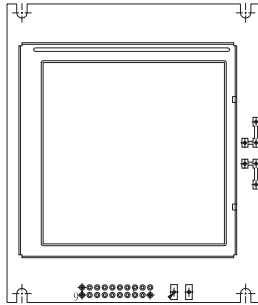


160 x 160 Dots Graphic LCD



FEATURES

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

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

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 Voltage for Normal Temp.	VDD - V0	- 20°C	16.5	18.0	19.5	V
Version Module		25°C	15.5	17.0	18.5	
		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

