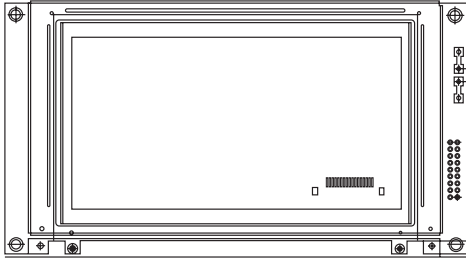


## 240 x 128 Dots LCD



### FEATURES

- No controller
- + 5V power supply
- 1/64 duty cycle
- Built in N.V.

MECHANICAL DATA		
ITEM	STANDARD VALUE	UNIT
Module Dimension	170.0 x 93.6	mm
Viewing Area	128.0 x 75.0	mm
Dot Size	0.43 x 0.43	mm
Dot Pitch	0.45 x 0.45	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	-	$0.3V_{DD}$	V
Supply Current	IDD	VDD = 5V	-	55	60	mA
Recommended LC Driving Voltage for Normal Temp. Version Module	VDD - V0	- 20°C	-	-	-	V
		0°C	20.3	21.4	21.8	
		25°C	12.1	19.1	22.1	
		50°C	17.7	18.9	20.1	
		70°C	9.1	11.6	12.8	
LED Forward Voltage	VF	25°C	-	4.2	4.6	V
LED Forward Current	IF	25°C	-	900	1800	mA
CCFL	VF	25°C	-	250	590	V <sub>rms</sub>
	IF	25°C	-	-	5.5	mA
EL	IEL	Vel = 110VAC; 400Hz	-	-	5.0	mA





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