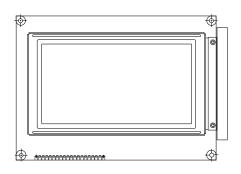


# 240 x 128 Dots Graphic LCD



#### FEATURES

- Built-in controller (T6963C)
- 1/240 duty cycle
- Built-in N/V
- Temperature conpensation, option

MECHANICAL DATA				
ITEM	STANDARD VALUE	UNIT		
Module Dimension	144.0 x 104.0	mm		
Viewing Area	114.0 x 64.0	mm		
Dot Size	0.4 x 0.4	mm		
Dot Pitch	0.45 x 0.45	mm		

ABSOLUTE MAXIMUM RATING					
ITEM	SYMBOL	STANDARD VALUE UNI			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

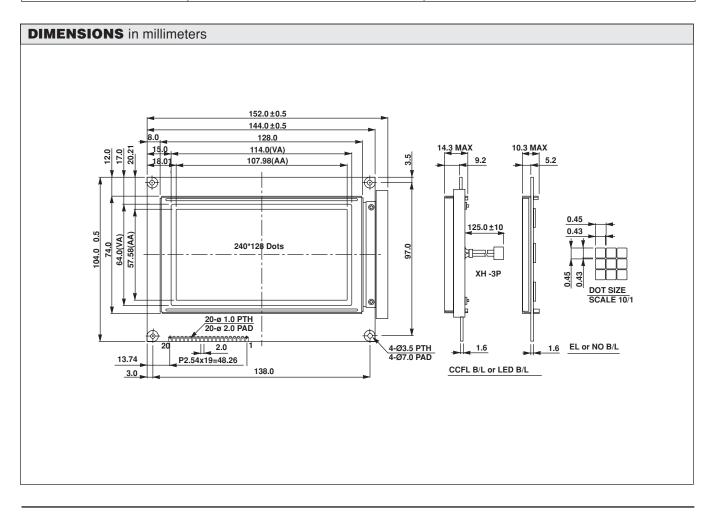
ELECTRICAL SPECIFICATIONS						
ITEM	SYMBOL	CONDITION	CONDITION STAT		NDARD VALUE	
			MIN.	TYP.	MAX.	
Input Voltage	VDD	L level	0.7V <sub>DD</sub>	_	V <sub>DD</sub>	V
	VIO	H level	_	_	0.3V <sub>DD</sub>	V
Supply Current	IDD	VDD = + 5V	0	55	60	mA
Recommended LC Driving		O°C	20.3	21.4	22.5	
Voltage for Normal Temp.	VDD - V0	25°C	18.0	19.1	20.2	v
Version Module		50°C	17.8	18.9	20.0	
LED Forward Voltage	VF	25°C	_	4.2	_	V
LED Forward Current	IF	25°C	_	900	1800	mA
CCFL	VF	25°C	_	250	590	Vms
	IF	25°C	_	_	5.5	mA
EL	IEL	Vel = 110VAC; 400Hz	_	_	5.0	mA

## LCD-240G128B Vishay

### 240 x 128 Dots Graphic LCD



PIN NUMBER	SYMBOL	FUNCTION	
1	Vss	Power Supply (GND)	
2	Vdd	Power Supply (+ 5V)	
3	Vo	Power Supply for LCD Driving	
4	C/D	Command/Data Read/Write	
5	RD	Data Read	
6	WR	Data Write	
7	DB0	Data Bus Line	
8	DB1	Data Bus Line	
9	DB2	Data Bus Line	
10	DB3	Data Bus Line	
11	DB4	Data Bus Line	
12	DB5	Data Bus Line	
13	DB6	Data Bus Line	
14	DB7	Data Bus Line	
15	CE	Chip Enable	
16	RESET Reset Signal		
17	Vee Negative Voltage		
18	MD2	Control Signal	
19	FS1	Font Selection	
20	NC	No Connection	





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