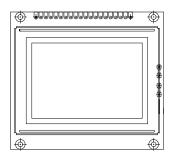


Vishay

# 128 x 64 Dots Graphic LCD



#### FEATURES

- Built-in controller (KS0107 KS0108 re Equivalent)
- + 5V power supply
- 1/64 duty cycle
- N.V. Built-in

MECHANICAL DATA				
ITEM	STANDARD VALUE	UNIT		
Module Dimension	78.0 x 70.0 x 12.1	mm		
Viewing Area	62.0 x 44.0	mm		
Dot Size	0.42 x 0.58	mm		
Dot Pitch	0.44 x 0.60	mm		

ABSOLUTE MAXIMUM RATING					
ITEM	SYMBOL	STANDARD VALUE			UNIT
		MIN.	TYP.	MAX.	
Power Supply	VDD-VSS	4.5	5.0	5.5	V
Input Voltage	VI	- 0.3	_	VDD	V

NOTE: VSS = 0 Volt, VDD = 5.0 Volt

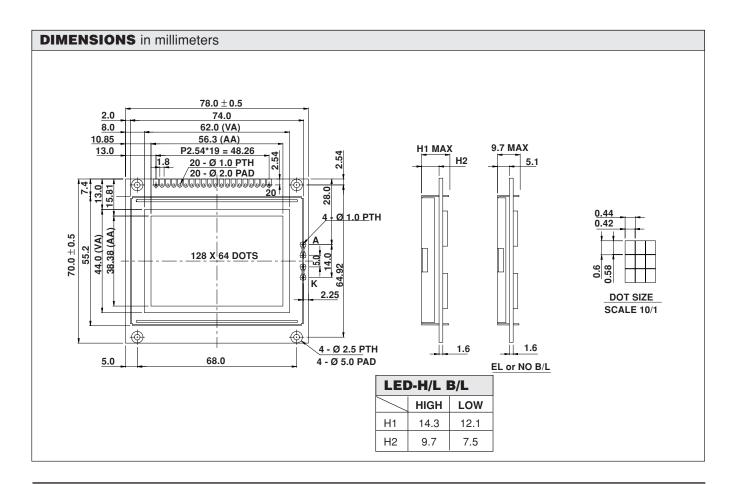
ELECTRICAL SPECIFICATIONS							
ITEM	SYMBOL	CONDITION		STANDARD VALUE			UNIT
				MIN.	TYP.	MAX.	
Input Voltage	VDD	L level		$0.7V_{DD}$	_	V <sub>DD</sub>	V
	VIO	H level		0	_	0.3V <sub>DD</sub>	V
Supply Current	IDD	VDD = 5V		_	3.5	-	mA
Recommended LC Driving		0°C		9.4	9.9	10.4	
Voltage for Normal Temp.	VDD-V0	25°C		9.4	9.6	10.4	V
Version Module		50°C		9.4	9.2	9.7	
LED Forward Voltage	VF	25°C		_	4.2	4.6	V
LED Forward Current	IF	25°C Array	High	_	480	960	mA
		25°C Array	Low	-	140	280	mA
EL Power Supply Current	IEL	Vel = 110VAC; 4	00Hz	_	_	5.0	mA

### LCD-128G064C Vishay

#### 128 x 64 Dots Graphic LCD



PIN NUMBER	SYMBOL	FUNCTION	
1	CS1	Chip Select for IC1	
2	CS2	Chip Select for IC2	
3	Vss	GND	
4	Vdd	Power Supply (+ 5V)	
5	Vo	Contrast Adjustment	
6	D/I	Data/Instruction	
7	R/W	Data Read/Write	
8	E	H →L Enable Signal	
9	DB0	Data Bus Line	
10	DB1	Data Bus Line	
11	DB2	Data Bus Line	
12	DB3	Data Bus Line	
13	DB4	Data Bus Line	
14	DB5	Data Bus Line	
15	DB6	Data Bus Line	
16	DB7	Data Bus Line	
17	RST	Reset	
18	Vee	Negative Voltage-5V Output	
19	А	Power Supply for LED Backlight (+)	
20	К	Power Supply for LED Backlight (-)	





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