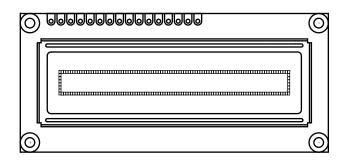
# **OLED-100H008A**



Vishay

## 100 x 8 Graphic OLED



MECHANICAL DATA					
ITEM	STANDARD VALUE	UNIT			
Module dimension	80.0 x 36.0 x 10.0 (max.)				
Viewing area	66.0 x 16.0				
Active area	59.95 x 6.35				
Dot size	0.55 x 0.75	mm			
Dot pitch	0.60 x 0.80				
Mounting hole	75.0 x 31.0				

#### **FEATURES**

- Type: Graphic
- Display format: 100 x 8 dots
- Built-in controller: OLED-0010
- Duty cycle: 1/8
- +5 V power supply, +3 V optional
- Interface: 6800, option 8080 and SPI
- · Sunlight readable and polarizer optional
- Material categorization: For definitions of compliance please see www.vishay.com/doc?99912

ABSOLUTE MAXIMUM RATINGS					
	SYMBOL	STANDAF	UNIT		
ITEM	STMBOL	MIN.	MAX.	UNIT	
Supply voltage for logic	$V_{\text{DD}}$ to $V_{\text{SS}}$	-0.3	5.3	v	
Input voltage	VI	-0.3	V <sub>DD</sub>		

Note

•  $V_{SS}$  = 0 V,  $V_{DD}$  = 3.0 V/5.0 V

ELECTRICAL CHARACTERISTICS						
ITEM	OVMDOL		ST	STANDARD VALUE		
	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply voltage for logic	V <sub>DD</sub> to V <sub>SS</sub>	-	3.0	5.0	5.3	V
Input high voltage	V <sub>IH</sub>	-	0.9 V <sub>DD</sub>	-	V <sub>DD</sub>	V
Input low voltage	V <sub>IL</sub>	-	GND	-	0.1 V <sub>DD</sub>	V
Output high voltage	V <sub>OH</sub>	I <sub>OH</sub> = 0.5 mA	0.8 V <sub>DD</sub>	-	V <sub>DD</sub>	V
Output low voltage	V <sub>OL</sub>	I <sub>OL</sub> = 0.5 mA	GND	-	0.2 V <sub>DD</sub>	V
Supply current	I <sub>DD</sub>	$V_{DD} = 5 V$	-	15	-	mA

OPTION	S								
	EMITTING COLOR				MOQ				
YELLOW	GREEN	RED	BLUE	WHITE	YELLOW	GREEN	RED	BLUE	WHITE
Y	Y	Y	Y	Y	Ν	Y	Y	Y	Y

COMPLIANT

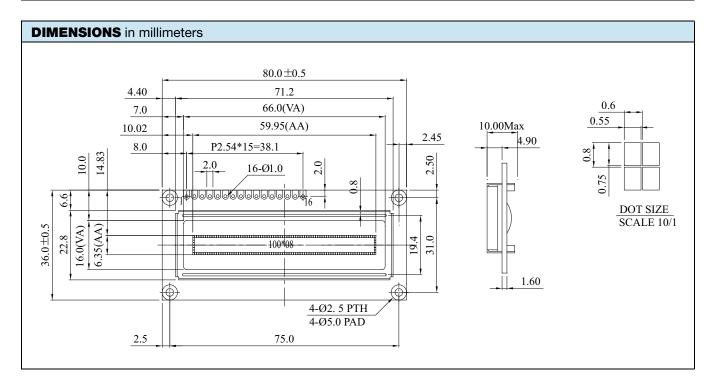


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INTERFACE PIN FUNCTION				
PIN NO.	SYMBOL	FUNCTION		
1	V <sub>SS</sub>	Ground		
2	V <sub>DD</sub>	Supply voltage for logic		
3	NC	No connection		
4	RS	H: Data; L: Instruction code		
5	R/W	H: Read (MPU $\leftarrow$ Module); L: Write (MPU $\rightarrow$ Module)		
6	E	$H \rightarrow L$ enable signal		
7	DB0	Data bit 0		
8	DB1	Data bit 1		
9	DB2	Data bit 2		
10	DB3	Data bit 3		
11	DB4	Data bit 4		
12	DB5	Data bit 5		
13	DB6	Data bit 6		
14	DB7	Data bit 7		
15	NC	No connection		
16	NC	No connection		



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