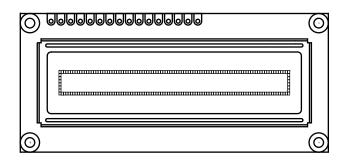
OLED-100H008A



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_{DD} to V_{SS}	-0.3	5.3	v	
Input voltage	VI	-0.3	V _{DD}		

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 _{DD} to V _{SS}	-	3.0	5.0	5.3	V
Input high voltage	V _{IH}	-	0.9 V _{DD}	-	V _{DD}	V
Input low voltage	V _{IL}	-	GND	-	0.1 V _{DD}	V
Output high voltage	V _{OH}	I _{OH} = 0.5 mA	0.8 V _{DD}	-	V _{DD}	V
Output low voltage	V _{OL}	I _{OL} = 0.5 mA	GND	-	0.2 V _{DD}	V
Supply current	I _{DD}	$V_{DD} = 5 V$	-	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

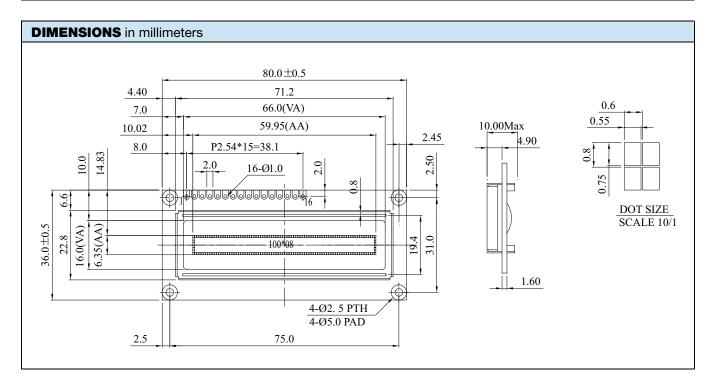


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INTERFACE PIN FUNCTION				
PIN NO.	SYMBOL	FUNCTION		
1	V _{SS}	Ground		
2	V _{DD}	Supply voltage for logic		
3	NC	No connection		
4	RS	H: Data; L: Instruction code		
5	R/W	H: Read (MPU \leftarrow Module); L: Write (MPU \rightarrow Module)		
6	E	$H \rightarrow L$ 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		



Document Number: 37708



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