

# 100 x 16 Graphic OLED



## FEATURES

- Type: Graphic
- Display format: 100 x 16 dots
- Built-in controller: OLED-0010
- Duty cycle: 1/16
- +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](http://www.vishay.com/doc?99912)


**RoHS**  
COMPLIANT

MECHANICAL DATA		
ITEM	STANDARD VALUE	UNIT
Module dimension	116.0 x 37.0 x 9.8 (max.)	mm
Viewing area	85.0 x 18.6	
Active area	64.95 x 11.15	
Dot size	0.60 x 0.65	
Dot pitch	0.65 x 0.70	
Mounting hole	108.0 x 29.0	

ABSOLUTE MAXIMUM RATINGS				
ITEM	SYMBOL	STANDARD VALUE		UNIT
		MIN.	MAX.	
Supply voltage for logic	$V_{DD}$ to $V_{SS}$	-0.3	5.3	V
Input voltage	$V_I$	-0.3	$V_{DD}$	

### Note

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

ELECTRICAL CHARACTERISTICS						
ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT
			MIN.	TYP.	MAX.	
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	-	35	-	mA

OPTIONS									
EMITTING COLOR					MOQ				
YELLOW	GREEN	RED	BLUE	WHITE	YELLOW	GREEN	RED	BLUE	WHITE
Y	Y	Y	Y	Y	N	N	N	N	N





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