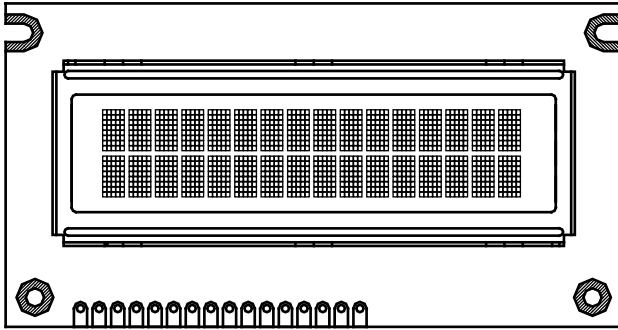


16 x 2 Character OLED



FEATURES

- Type: Character
- Display format: 16 x 2 characters
- 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


RoHS
COMPLIANT

MECHANICAL DATA		
ITEM	STANDARD VALUE	UNIT
Module dimension	84.0 x 44.0 x 10.0 (max.)	mm
Viewing area	66.0 x 16.0	
Active area	56.95 x 11.85	
Dot size	0.55 x 0.65	
Dot pitch	0.60 x 0.70	
Mounting hole	76.0 x 36.0	
Character size	2.95 x 5.55	
Character pitch	3.6 x 6.3	

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	-	30	-	mA

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



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