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100 x 16 Graphic OLED

FEATURES

• Type: Graphic

Display format: 100 x 16 dotsBuilt-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.vishav.com/doc?99912

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

ABSOLUTE MAXIMUM RATINGS					
ITEM	SYMBOL	STANDAF	LINUT		
IIEW	STWIBOL	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

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

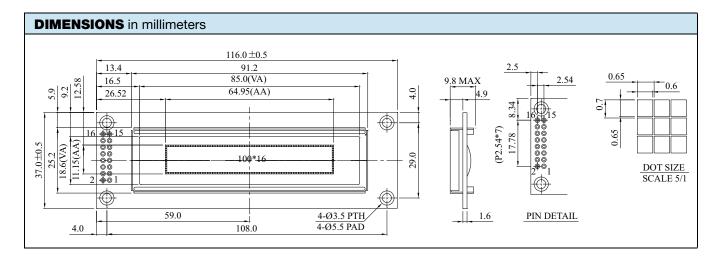
ELECTRICAL CHARACTERISTICS						
ITEM	SYMBOL	CONDITION	STANDARD VALUE			
	STMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply voltage for logic	V _{DD} to V _{SS}	-	3.0	5.0	5.3	V
Input high voltage	V _{IH}	-	0.9 V _{DD}	=	V_{DD}	V
Input low voltage	V _{IL}	-	GND	=	0.1 V _{DD}	V
Output high voltage	V _{OH}	I _{OH} = 0.5 mA	0.8 V _{DD}	=	V_{DD}	V
Output low voltage	V _{OL}	$I_{OL} = 0.5 \text{ mA}$	GND	-	0.2 V _{DD}	V
Supply current	I _{DD}	V _{DD} = 5 V	-	35	-	mA

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



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INTERFACE PI	INTERFACE PIN FUNCTION				
PIN NO.	SYMBOL	DL FUNCTION			
1	V _{DD}	Supply voltage for logic			
2	V _{SS}	Ground			
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			





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