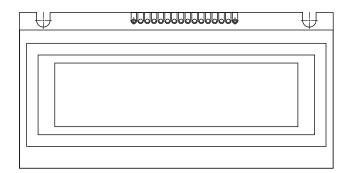




122 x 32 Graphic LCD



FEATURES

• Type: Graphic

• Display format: 122 x 32 dots • Built-in controller: ST7920

• Duty cycle: 1/32

• N.V. optional for + 3 V power supply

· Chinese version

• Same size with LCD-122H032D

 V_{DD} to V_{SS}



• Compliant to	HoHS direc	tive 2002	2/95/EC		
ABSOLUT	E MAXIM	IUM RA	ATING	S	
ITEM	SYMBOL	STAN	UNIT		
I I ⊑IVI	STWIDUL	MIN.	TYP.	MAX.	CIVIT

4.75

0

5.0

5.25

 V_{DD}

MECHANICAL DATA					
ITEM	STANDARD VALUE	UNIT			
Module Dimension	59.0 x 29.3 x 5.5				
Viewing Area	52.0 x 15.0				
Dot Size	0.345 x 0.345				
Dot Pitch	0.375 x 0.375	mm			
Mounting Hole	50.0				
Character Size	N/a				
	•	•			

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

Power Supply

Input Voltage

ELECTRICAL CHARACTERISTICS								
ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT		
	STINIBUL	CONDITION	MIN.	TYP.	MAX.	T UNIT		
Input Voltage	V_{DD}	-	4.5	5.0	5.5	V		
Supply Current	I _{DD}	V _{DD} = + 5 V	0.8	1.0	1.5	mA		
Recommended LC Driving		- 20 °C	-	-	5.8	V		
Voltage for Normal Temperature	V_{DD} to V_{0}	25 °C	-	4.0	-			
Version Module		70 °C	3.2	-	-			
CCFL Starting Voltage	V _{FLS}	25 °C	-	-	-	V _{RMS}		
CCFL Driving Voltage	V _{FLD}	25 °C	-	-	-	V _{RMS}		
CCFL Driving Current	I _{FLD}	$V_{FQ} = 450 V_{RMS}$, 30 kHz	-	-	-	mA _{RMS}		
LED Forward Voltage	V _F	25 °C	4.0	4.2	4.4	V		
LED Forward Current	I _F	25 °C	30	40	60	mA		
EL Power Supply Current	I _{EF}	V _{EL} = 110 V _{AC} , 400 Hz	-	-	5.0	mA		

OPTION	OPTIONS								
PROCESS COLOR					BACKLIGHT				
TN	STN Gray	STN Yellow	STN Blue	FSTN B&W	STN Color	None	LED	EL	CCFL
	Х	х		Х		Х	х	х	

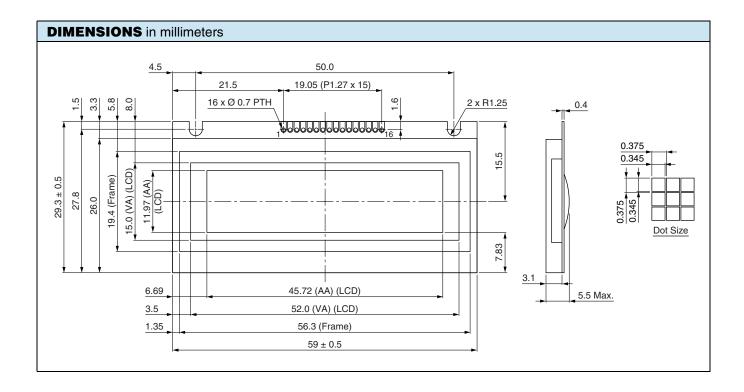
For detailed information, please see the "Product Numbering System" document.

Document Number: 37328 Revision: 16-Mar-09

122 x 32 Graphic LCD



INTERFACE PIN FUNCTION					
PIN NO.	SYMBOL	FUNCTION			
1	\overline{V}_{LED}	B/L selected			
2	V _{SS}	Ground			
3	V _{DD}	Supply voltage for logic			
4	V ₀	Operating voltage for LCD			
5	RS	H: Date/L: Instruction			
6	E	Enable signal			
7	V _{OUT}	Positive voltage output			
8	DB0	Data bus line			
9	DB1	Data bus line			
10	DB2	Data bus line			
11	DB3	Data bus line			
12	DB4	Data bus line			
13	DB5	Data bus line			
14	DB6	Data bus line			
15	DB7	Data bus line			
16	R/W	H: Read data/L: Write data			





Vishay

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