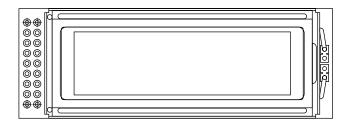




122 x 32 Graphic LCD



MECHANICAL DATA					
ITEM	STANDARD VALUE	UNIT			
Module Dimension	77.8 x 27.2				
Viewing Area	60.0 x 18.0				
Dot Size	0.40 x 0.45				
Dot Pitch	0.44 x 0.49	mm			
Mounting Hole	N/a	7			
Character Size	N/a				

FEATURES

- Type: Graphic
- Display format: 122 x 32 dots
- Built-in controller: Epson SED1520 (or equivalent)
 RoHS
 COMPLIANT
- Duty cycle: 1/32
- N.V. optional for + 3 V power supply
- · LED backlight only white version
- Compliant to RoHS directive 2002/95/EC

ABSOLUTE MAXIMUM RATINGS						
ІТЕМ	SYMBOL	STAN	UNIT			
	STINDUL	MIN.	TYP.	MAX.		
Power Supply	V_{DD} to V_{SS}	4.75	5.0	5.25	V	
Input Voltage	VI	0	-	V_{DD}	v	

Note

• $V_{SS} = 0 V, V_{DD} = 5.0 V$

ELECTRICAL CHARACTERISTICS								
	OVMDOL		ST					
ITEM	SYMBOL	CONDITION	CONDITION MIN. TYP. MAX.		MAX.	UNIT		
Input Voltage	V _{DD}	-	4.5	5.0	5.5	V		
Supply Current	I _{DD}	-	-	1.0	-	mA		
Recommended LC Driving		- 20 °C	-	-	5.8	v		
Voltage for Normal Temperature	V_{DD} to V_0	25 °C	-	4.9	-			
Version Module		70 °C	4.6	-	-			
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	3.4	3.5	3.6	V		
LED Forward Current	I _F	2 °C	32	40	60	mA		
EL Power Supply Current	I _{EF}	V _{EL} = 110 V _{AC} , 400 Hz	-	-	5.0	mA		

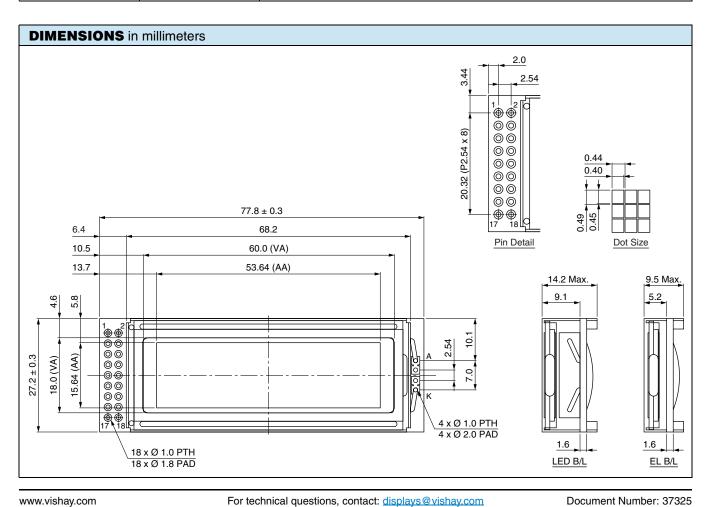
OPTIONS									
PROCESS COLOR					BACKLIGHT				
TN	STN Gray	STN Yellow	STN Blue	FSTN B&W	STN Color	None	LED	EL	CCFL
	x	х		х		х	х	х	

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

Document Number: 37325 Revision: 05-Nov-08 Vishay



INTERFACE PIN FUNCTION					
PIN NO.	SYMBOL	FUNCTION			
1	V _{SS}	Ground			
2	V _{DD}	Supply voltage for logic			
3	V ₀	Operating voltage for LCD			
4	A ₀	H: Data/L: Instruction			
5	CS1	Chip select signal for IC1			
6	CS2	Chip select signal for IC2			
7	NC/CL	No connection/external clock 2 kHz			
8	NC/E	No connection/enable signal			
9	R/W	H: Read data/L: Write data			
10	DB0	Data bus line			
11	DB1	Data bus line			
12	DB2	Data bus line			
13	DB3	Data bus line			
14	DB4	Data bus line			
15	DB5	Data bus line			
16	DB6	Data bus line			
17	DB7	Data bus line			
18	/RST	$H \rightarrow L$: The LCM be reset			



Downloaded from Elcodis.com electronic components distributor

2

Document Number: 37325 Revision: 05-Nov-08



Vishay

Disclaimer

All product specifications and data are subject to change without notice.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

Vishay disclaims any and all liability arising out of the use or application of any product described herein or of any information provided herein to the maximum extent permitted by law. The product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein, which apply to these products.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications unless otherwise expressly indicated. Customers using or selling Vishay products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify Vishay for any damages arising or resulting from such use or sale. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.