LCD-122H032K



MECHANICAL DATA

Module dimension

Viewing area

Mounting hole

Character size

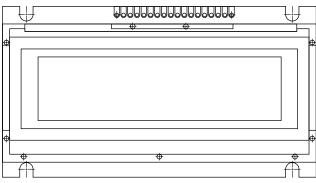
ITEM

Dot size

Dot pitch

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122 x 32 Graphic LCD



STANDARD VALUE

59.0 x 32.1 52.0 x 15.0

0.345 x 0.345

0.375 x 0.375

50.0 x 29.12

n/a

FEATURES

- Type: graphic
- Display format: 122 x 32 dots
- Built-in controller: SBN1661G
- Duty cycle: 1/32
- Material categorization: for definitions of compliance please see <u>www.vishay.com/doc?99912</u>

2.75

0

5.0

_

5.25

 V_{DD}

) [*]							
		ABSOLUTE		JM RA	TINGS		
UNIT		ITEM	SYMBOL	STANDARD VALUE			
	I I EWI			MIN.	TYP.	MAX.	

V_{DD} to V_{SS}

VI

Note

mm

• V_{SS} = 0 V, V_{DD} = 5.0 V

Power supply

Input voltage

ELECTRICAL CHARACTERISTICS							
ITEM	SYMBOL			STANDARD VALUE			
	STMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT	
Input voltage	V _{DD}	$V_{DD} = +5 V$	4.5	5.0	5.5	V	
Supply current	I _{DD}	$V_{DD} = +5 V$	-	1.0	1.4	mA	
		-20 °C	5.3	5.5	5.7	V	
Recommended LC	Γ	0° 0	5.1	5.3	5.5		
driving voltage for normal temperature	V_{DD} to V_0	25 °C	4.7	4.9	5.1		
version module	[50 °C	4.3	4.6	4.9		
		70 °C	4.1	4.4	4.7		
LED forward voltage	V _F	25 °C	-	4.2	4.6	V	
LED forward current	I _F	25 °C	-	40	-	mA	
EL power supply current	I _{EL}	V _{EL} = 110 V _{AC} , 400 Hz	-	-	-	mA	

OPTION	OPTIONS								
PROCESS COLOR							BACK	LIGHT	
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.

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COMPLIANT

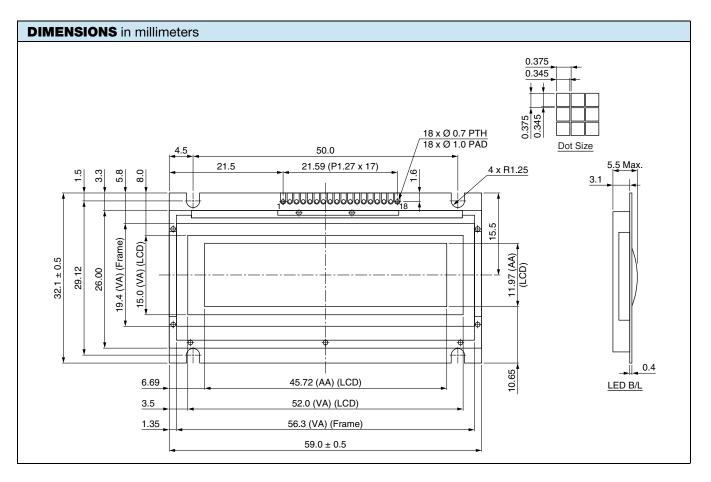
UNIT

V



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INTERFACE PIN FUNCTION					
PIN NO.	SYMBOL	FUNCTION			
1	К	Power supply for backlight			
2	V _{SS}	Ground			
3	V _{DD}	Supply voltage for logic			
4	V ₀	Operating voltage for LCD			
5	A ₀	H: date / L: instruction			
6	E1	Enable chip 1			
7	E2	Enable chip 2			
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: D0 to D7 are display date / L: D0 to D7 are display control date			
17	V _{EE}	Negative voltage output (built-in)			
18	A	Power supply for backlight			





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