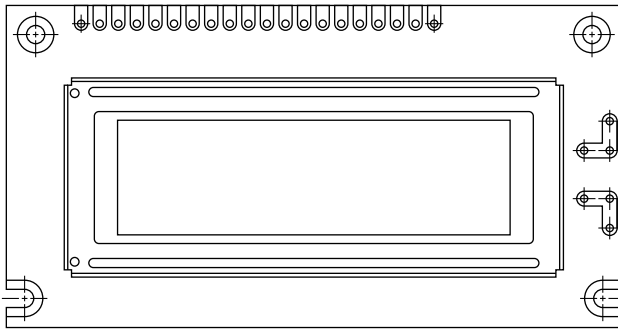


122 x 32 Graphic LCD



FEATURES

- Type: graphic
- Display format: 122 x 32 dots
- Built-in controller: SBN1661G
- Duty cycle: 1/32
- Available for internal (A type), external (C type), oscillation 2 kHz
- N.V. optional for +3 V power supply
- Chinese version: LCD-122H032L
- 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	mm
Viewing area	60.0 x 18.0	
Dot size	0.40 x 0.45	
Dot pitch	0.44 x 0.49	
Mounting hole	79.0 x 36.0	
Character size	n/a	

ABSOLUTE MAXIMUM RATINGS					
ITEM	SYMBOL	STANDARD VALUE			UNIT
		MIN.	TYP.	MAX.	
Power supply	V_{DD} to V_{SS}	4.75	5.0	5.25	V
Input voltage	V_I	0	-	V_{DD}	

Note

- $V_{SS} = 0$ V, $V_{DD} = 5.0$ V

ELECTRICAL CHARACTERISTICS						
ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT
			MIN.	TYP.	MAX.	
Input voltage	V_{DD}	$V_{DD} = +5$ V	4.5	5.0	5.5	V
Supply current	I_{DD}	$V_{DD} = +5$ V	-	0.6	0.8	mA
Recommended LC driving voltage for normal temperature version module	V_{DD} to V_0	-20 °C	5.3	5.4	5.5	V
		0 °C	4.7	4.8	4.9	
		25 °C	4.6	4.7	4.8	
		50 °C	4.3	4.4	4.6	
		70 °C	4.1	4.2	4.4	
LED forward voltage	V_F	25 °C	-	4.2	4.6	V
LED forward current	I_F	25 °C	-	120	240	mA
EL power supply current	I_{EL}	$V_{EL} = 110$ 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	x	x	x	-	x	x	x	-

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



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