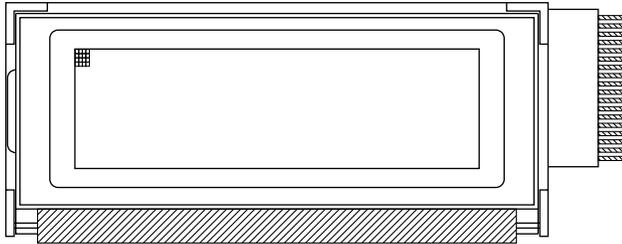


122 x 32 Graphic LCD



FEATURES

- Type: graphic
- Display format: 122 x 32 dots
- Built-in controller: SBN1661G
- Duty cycle: 1/32
- Available for internal oscillation 2 kHz
- +5 V power supply only
- The feature of LCD-122H032G is same as LCD-122H032B
- Chinese version: LCD-122H032M
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912


RoHS
COMPLIANT

MECHANICAL DATA		
ITEM	STANDARD VALUE	UNIT
Module dimension	65.4 x 28.2	mm
Viewing area	54.8 x 19.0	
Dot size	0.36 x 0.41	
Dot pitch	0.40 x 0.45	
Mounting hole	n/a	
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 \pm 1 V	4.5	5.0	5.5	V
Supply current	I_{DD}	$V_{DD} = +5$ V	-	1.0	1.4	mA
Recommended LC driving voltage for normal temperature version module	V_{DD} to V_0	-20 °C	4.7	4.9	5.1	V
		0 °C	4.5	4.7	4.9	
		25 °C	4.3	4.5	4.7	
		50 °C	4.2	4.3	4.5	
		70 °C	4.0	4.1	4.3	
LED forward voltage	V_F	25 °C	1.7	2.1	2.5	V
LED forward current	I_F	25 °C	-	100	200	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	-	-

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



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