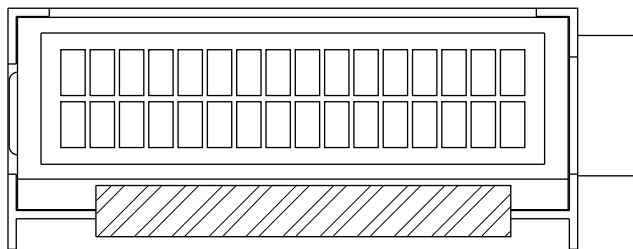


16 x 2 Character LCD



FEATURES

- Type: character
- Display format: 16 x 2 characters
- Built-in controller: ST7066 (or equivalent)
- Duty cycle: 1/16
- 5 x 8 dots includes cursor
- +5 V power supply
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912


RoHS
COMPLIANT

MECHANICAL DATA		
ITEM	STANDARD VALUE	UNIT
Module dimension	69.0 x 29.2	mm
Viewing area	61.0 x 15.9	
Dot size	0.55 x 0.65	
Dot pitch	0.60 x 0.70	
Mounting hole	n/a	
Character size	2.95 x 5.55	

ABSOLUTE MAXIMUM RATINGS					
ITEM	SYMBOL	STANDARD VALUE			UNIT
		MIN.	TYP.	MAX.	
Power supply	V_{DD} to V_{SS}	-0.3	-	7.0	V
Input voltage	V_I	-0.3	-	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}		4.7	5.0	5.3	V
Supply current	I_{DD}	$V_{DD} = +5$ V	-	1.0	1.2	mA
Recommended LC driving voltage for normal temperature version module	V_{DD} to V_0	- 20 °C	5.0	5.1	5.7	V
		0 °C	4.6	4.8	5.2	
		25 °C	4.1	4.5	4.7	
		50 °C	3.9	4.2	4.5	
		70 °C	3.7	3.9	4.3	
LED forward voltage	V_F	25 °C	-	-	-	V
LED forward current	I_F	25 °C	-	-	-	mA
EL power supply current	I_{EL}	$V_{EL} = 110$ V _{AC} , 400 Hz	-	-	-	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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