

2. Electrical spec

LC162R

16 Characters X 2 Lines
1/16 DUTY 5x8Font

ELECTRICAL CHARACTERISTICS

T_a= 25°C V_{DD}=5.0+-0.25 v

Input "High" Voltage (V_{IH}) 2.2 V min

Input "Low " Voltage (V_{IL}) 0.6 V max

APPLICABLE FOR -LNA

	<u>TN</u>		<u>STN</u>	
	<u>TEMPERATURE</u>		<u>TEMPERATURE</u>	
	<u>NORMA</u>	<u>WIDE</u>	<u>NORMA</u>	<u>WIDE</u>
Supply Current, (I _{DD})Typ., mA	1	N/A	1	1
Recommend LCD drive Voltage: (V _{DD} -V _O)at T _a = -20°C, Volts	N/A	N/A	N/A	7.85
T _a = 0°C	5.0	N/A	4.9	7.52
T _a = 25°C	4.8	N/A	4.7	7.17
T _a = 50°C	4.6	N/A	4.5	6.87
T _a = 70°C	N/A	N/A	N/A	6.61

ABSOLUTE MAXIMUM RATINGS

	<u>NORMAL</u>		<u>WIDE</u>	
	<u>TEMPERATURE</u>		<u>TEMPERATURE</u>	
	<u>MIN</u>	<u>MAX</u>	<u>MIN</u>	<u>MAX</u>
Input Voltage (V _I) V	0	V _{DD}	0	V _{DD}
Supply for Logic (V _{DD} -V _{SS}) V	0	7	0	7
Supply for LCD (V _{DD} -V _O) V	0	10	0	10
Operating Temperature T _{OP} , °C	0	+50	-20	+70
Storage Temperature T _{ST} , °C	-20	+70	-30	+80

OPTION

BACKLIGHT

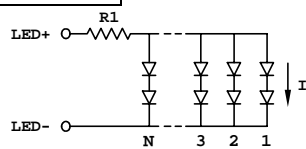
- BEXX -- EL
- BLEXX -- LED EDGE
- BLEWH -- LED EDGE(WHITE)
- BLSXX -- LED SMT

INPUT VOLTAGE & CURRENT

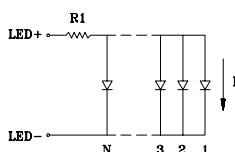
100 V_{RMS} (400-800) Hz; 1.5mA
 + 5V DC; 30 mA R1= 27 Ohm 1/4 W
 + 5V DC; 20 mA R1= 82 Ohm 1/4 W
 + 5V DC; 80 mA R1= 13 Ohm 1/8 W

*R1: Built-in BL current limit resistor On LCDM

EDGE

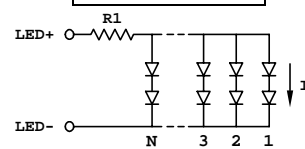


N= 2 , I= 15 mA



N= 1 , I= 20 mA

SMT LED



N= 12 , I= 6.7 mA

----- Single +5V for wide temperature operation -----

SINGLE +5V OPERATION only

-- not available --

TEMPERATURE COMPENSATION

-- not available --