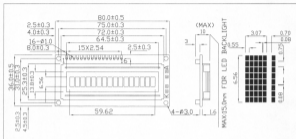


JM161B

 16CHAR×LINE
 1/16DUTY,1/5BIAS

1 EXTERNAL DIMENSION



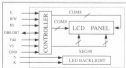
2 MECHANICAL DATA

ITEM	SPECIFICATION	UNIT
Module Size (W×H×T)	80.0±0.5×36.0±0.5×16.0	mm
Viewing Area (W×H)	64.9±0.8	mm
Character Code (W×H)	2.54×2.54	dot
Character Size (W×H)	1.075×.96	mm
Character Pitch (W×H)	1.27	mm
Dot Size (W×H)	0.505×.51	mm

3 PIN CONNECTIONS

PIN	SYMBOL	SIGNAL DESCRIPTION
1	VDD	Power Supply: +V
2	VDD	Power Supply: +V
3	V _S	Power Supply for LED
4	RS	Register Select (to DATA, L to instruction Read/Write)
5	R/W	L=MPU to LCM (H to LCM or MPU)
6	E	Enable
7 to 14	D0/D15 (DB7)	Data Bus for 4 bit or 8 bit Mode
15	A	Anode of LED Unit
16	K	Cathode of LED Unit

4 BLOCK DIAGRAM



5 ABSOLUTE MAXIMUM RATINGS

PARAMETER	SYMBOL	MIN.	MAX.	UNIT
Supply Voltage	V _{DD}	-0.3	7	V
LED Supply Voltage	V _S	V _{DD} -1.5	6	V
Input Voltage	V _I	-0.3	V _{DD} +0.3	V
Operating Temperature	T _{op}	0	50	°C
Storage Temperature	T _{stg}	-20	70	°C

6 ELECTRICAL CHARACTERISTICS (T_{op}=25°C)

ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply Voltage (V _{DD})	V _{DD} (V _{DD})	-	4.3	5.0	7.3	V
Supply Current (I _{DD})	I _{DD}	-	-	0.9	3.0	mA
Driving Current (I _{DC})	I _{DC}	-	-	0.4	1.0	mA
Driving Voltage (V _{DC})	V _{DD} -V _S	V _{DD} =5.0V	0.8	0.9	4.9	V
Input Voltage "H"	V _I	-	2.3	-	5.68	V
Input Voltage "L"	V _I	-	0.0	-	0.6	V
Output Voltage "H"	V _O	Input 0.30Vmax.	2.4	-	-	V
Output Voltage "L"	V _O	Input 3mA	-	-	0.4	V

7 BOTTOM BACKLIGHT CHARACTERISTICS (T_{op}=25°C)

PARAMETER	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply Voltage	V _{DD}	-	-	4.1	-	V
LED Forward Consumption Current	I _F	T _{op} 25°C V _{DD} 1V	-	88	-	mA
LED Allowable Dissipation	P _D	-	-	180	-	mW