

Mechanical Data

Item	Standard Value	Unit
Module Dimension	100.0x55.0x14.0(Max)	mm
Viewing Area	72.0x40.0	mm
Dot Size	0.39x0.39	mm
Dot Pitch	0.42x0.42	mm

Absolute Maximum Rating

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	4.75	5.0	5.25	V
Input Voltage	VI	0	---	VDD	V

Note: VSS=0 Volt , VDD=5.0 Volt .

Electronical Characteristics

Item	Symbol	Condition	Standard Value			Unit
			min.	typ.	max.	
Input Voltage	VDD	VDD=5V	4.5	5.0	5.5	V
Supply Current	IDD	VDD=5V	---	0.6	0.8	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-VO	-20°C	---	---	14.5	V
		0°C	---	---	14.0	
		25°C	---	13.5	---	
		50°C	13.0	---	---	
		70°C	12.5	---	---	
LED Forward Voltage	VF	25°C	---	4.2	4.6	V
LED Forward Current	VF	25°C	---	330	610	mA
EL Power Supply Current	IEF	Vel=110VAC/400Hz	---	---	5.0	mA

Feature

- 160x80 dots includes cursor
- controller SANYO(LC7891 Equivalent)
- Built-in N/V (option)
- 1/80 duty cycle
- RG16080B1:Controller RA6963

Pin NO.	Symbol	Function
1	Vss	GND
2	Vdd	Power supply
3	Vo	NC
4	RS	H; Date L: Instruction
5	/WR	Date write
6	E	Chip enable signal
7	DB0	Data bus line
8	DB1	Data bus line
9	DB2	Data bus line
10	DB3	Data bus line
11	DB4	Data bus line
12	DB5	Data bus line
13	DB6	Data bus line
14	DB7	Data bus line
15	CS	chip select
16	RES	Controller reset
17	VEE	Contrast Adjustment
18	NC	NO connection
19	A	Power Supply for B/L(+4.2V)
20	K	Power Supply for B/L(OV)

Graphic type

RG16080B Graphic 160x80 dots

Dimension drawing

