

Mechanical Data

Item	Standard Value	Unit
Module Dimension	65.4x28.2x5.5	mm
Viewing Area	54.8x19.0	mm
Dot Size	0.36x0.41	mm
Dot Pitch	0.4x0.45	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	---	4.5	5.0	5.5	V
Supply Current	IDD	VDD=5V	0.8	1.0	1.2	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-VO	-20°C	---	---	5.3	V
		25°C	---	4.8	---	
		70°C	4.2	---	---	
LED Forward Voltage	VF	25°C	2.0	2.1	2.3	V
LED Forward Current	IF	25°C	80	100	130	mA
EL Power Supply Current	IEF	VI=110VAC/400Hz	---	---	5.0	mA

Feature

1. Built-in controller (ST7920)
2. 1/32 duty cycle
3. +5.0V power supply
4. Chinese Version
5. Same size with RG12232B
6. White LED backlight not available

Pin NO.	Symbol	Function
1	Vdd	Power Supply(+3V,5V)
2	Vss	GND
3	Vo	Contrast Adjustment
4	$\overline{\text{RES}}$	L: reset the LCM
5	E	Enable
6	Vout	Positive Voltage output
7	R/ $\overline{\text{W}}$	H: read data L: write data
8	RS	H/L register select signal
9	DB0	Data bus line
10	DB1	Data bus line
11	DB2	Data bus line
12	DB3	Data bus line
13	DB4	Data bus line
14	DB5	Data bus line
15	DB6	Data bus line
16	DB7	Data bus line
17	A	+2.1V for LED
18	K	Power supply for B/L (0V)

Graphic type

RG12232B3 Graphic 122x32 dots

Dimension drawing

