

Mechanical Data

Item	Standard Value	Unit
Module dimension	122.0 x 44.0	mm
Viewing area	99.0 x 24.0	mm
Mounting hole	115 x 37.0	mm
Dot Size	0.55 x 0.55	mm
Dot Pitch	0.60 x 0.60	mm

Absolute Maximum Rating

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	2.7	--	5.5	V
Input Voltage	VI	0	--	VDD	V

Note: VSS=0 Volt, VDD=3.3/5.5 Volt.

Electronical Characteristics

Item	Symbol	Condition	Standard Value			Unit
			min.	typ.	max.	
Input Voltage	VDD-VSS	-	3.0	3.3	3.6	3V
			4.5	5.0	5.5	5V
Supply Current	IDD	-	4.48	5.15	5.73	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-VO	-20°C	-	-	-	V
		25°C	4.13	4.75	5.28	
		+70°C	-	-	-	
LED Forward Voltage	VF	25°C	3.9	4.1	4.4	V
LED Forward Current	IF	25°C	-	280	-	mA

Feature

- 160x32 dots includes cursor
- Built-in controller ST7920
- +3.3V/+5V power supply
- 1/32 duty cycle
- N.V.Built-in

Pin No.	Symbol	Description
1	VSS	GND
2	VDD	Supply voltage for logic
3	Vo	Contrast Adjustment
4	RS	Register select signal
5	R/W	H: read data L: write data
6	E	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	Vout	Positive Voltage Output
16	NC	NC

Graphic type

RG16032E Graphic 160x32 dots

Dimension drawing

