

**Mechanical Data**

Item	Standard Value	Unit
Module dimension	83.8 x 76.5	mm
Viewing area	60.0 x 60.0	mm
Mounting hole	78.8 x 65.0	mm
Dot Size	0.32 x 0.32	mm
Dot Pitch	0.34 x 0.34	mm

**Absolute Maximum Rating**

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	3.0	3.3	3.6	V
Input Voltage	VI	0	--	VDD	V

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

**Electronical Characteristics**

Item	Symbol	Condition	Standard Value			Unit
			min.	typ.	max.	
Input Voltage	VDD-VSS	-	3.0	3.3	3.6	V
Supply Current	IDD	VDD=3.3V	-	-	8	mA
Recommended LC Driving Voltage for Normal Temp. Version module	Vout-Vss	-20°C	-	-	-	V
		25°C	16.2	16.5	16.8	
		+70°C	-	-	-	
LED Forward Voltage	VF	25°C	3.2	3.3	3.4	V
LED Forward Current	IF	25°C	-	64	-	mA

**Feature**

1. 160x160 dots includes cursor
2. Built-in controller UC1698U
3. + 3.3V power supply
4. 1/160 duty cycle

Pin No	Symbol	Description
1	VSS	Ground
2	AO	Date type select H:Data L:Instruction
3	WR	Write Operation of the host interface
4	RD	Read Operation of the host interface
5	XCS	Chip select PIN
6	RST	Reset signal
7	VDD	Power supply for Logic
8	DB0	Data bus line
9	DB1	Data bus line
10	DB2	Data bus line
11	DB3	Data bus line
12	DB4	Data bus line
13	DB5	Data bus line
14	DB6	Data bus line
15	DB7	Data bus line
16	LED-	Power supply for backlight negative
17	NC	No connection
18	LED+	Power supply for backlight position

COG type

**RX160160A COG 160x160 dots**

**Dimension drawing**

