Mechanical Data

Item	Standard Value	Unit
Module Dimension	170.0x93.6	mm
Viewing Area	128.0x75.0	mm
Dot Size	0.43x0.43	mm
Dot pitch	0.45x0.45	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	-0.3	---	VDD	V

Note：VSS=0 Volt, VDD=5.0 Volt.

Electronical Characteristics

Item	Symbol	Condition	Standard Value			Unit
			min.	typ.	max.	
Input Voltage	VDD	L level	$0.7V_{DD}$	---	V_{DD}	V
	VIO	H level	0	---	$0.3V_{DD}$	V
Supply Current	IDD	VDD=+5V	---	55	60	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-V0	-20°C	---	---	---	V
		0°C	20.3	21.4	21.8	
		25°C	12.1	19.1	22.1	
		50°C	17.7	18.9	20.1	
		70°C	9.1	11.6	12.8	
LED Forward Voltage	VF	25°C	---	4.2	4.6	V
LED Forward Current	IF	25°C	---	900	1800	mA
CCFL	VF	25°C	---	250	590	Vms
	IF	25°C	---	---	5.5	mA
EL	IEL	Vel=110VAC;400Hz	---	---	5.0	mA

Feature

1. +5V power supply
2. 1/128duty cycle
3. Built-in N.V
4. No controller

Pin NO.	Symbol	Function
1	FGND	Frame Ground
2	DB0	H/L Data bus line
3	DB1	H/L Data bus line
4	DB2	H/L Data bus line
5	DB3	H/L Data bus line
6	$\overline{\text{DISPOFF}}$	Display off when low level
7	FLM	Operating voltage for LCD
8	M	Control signal for AC driving
9	LP	Display data slatch
10	CP	Display data shift
11	Vdd	Power supply for(+5v)
12	Vss	Power supply for(GND)
13	Vee	Negative Voltage output
14	Vo	Contrast Adjustment
15	RV	H/L Data bus line
16	NC	No connection
17	A	Power supply for B/L +
18	K	Power supply for B/L -

Graphic type

RG240128A1 Graphic 240x128 dots

Dimension drawing