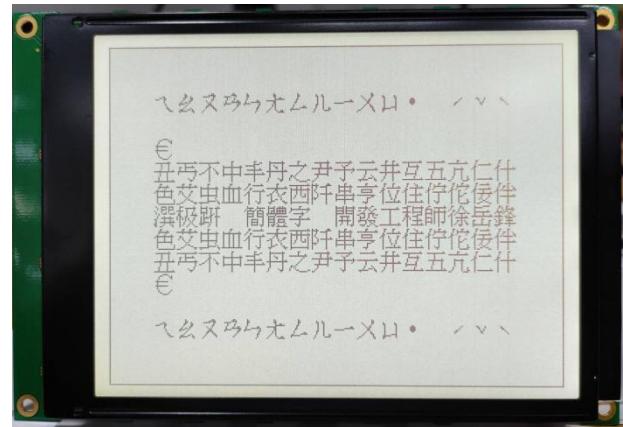


## Feature

1. SMT with metal frame
2. built-in controller RA8806 +5V single power supply, with built-in negative voltage
3. 1/240 duty cycle
4. Option: LED edge/white B/L
5. Option: +3V single power supply
6. Option: negative voltage

## Mechanical Data

Item	Standard	Value	Unit
Module Dimension	160.0	109.0	mm
View Area	122.0	92.0	mm
Dot Size	0.34	0.34	mm
Dot Pitch	0.36	0.36	mm



Pin	Symbol	Function
1	LED A	Power supply for B/L (+)
2	VSS	Ground
3	VDD	Power supply for Logic (option +3V)
4	VO	Driving voltage for LCD
5	/WR	8080 family: Write signal, 6800 family: R/W signal
6	/RD	8080 family: Read signal, 6800 family: Enable clock
7	AO	Command / Data Select Input
8	/CS	Chip select , Active L
9	VEE	Negative voltage output -21.3V (Optional)
10	/RES	Controller reset signal, Active L
11~18	DB0~DB7	Data bus
19	BUSY	Busy Signal Output
20	INT	Interrupt Signal Output
21	LED A	Power supply for B/L (+)
22	LED K	Power supply for B/L (GND)

## Electronic Characteristics

Item	Symbol	Condition	Typical Value	Unit
Input Voltage	Vdd	Vdd = +5V	5.0	V
Supply Current	Idd	Vdd = +5V	70	mA
LCD Driving Voltage	Vdd-Vo	25°C	23.7	V
LED Forward Voltage (White)	Vf	25°C	3.5	V
LED Forward Current	If	25°C	160	mA

## Dimension

