



Feature

1. 320x240 dots includes cursor
2. Built-in controller RA8803
3. +5V power supply(Also available for +3V)
4. 1/240duty cycle

Mechanical Data

Item	Value	Unit
Outline	160.0 x 109.0	mm
Viewing Area	122.0 x 92.0	mm
Active Area	115.18 x 86.38	mm
Dot Size	0.34 x 0.34	mm
Dot Pitch	0.36 x 0.36	mm

Terminal Function

Pin No.	Symbol	Function(CON2)
1	V _{SS}	GND
2	V _{DD}	Supply voltage for logic
3	V ₀	Contrast Adjustment
4	A0	Data type select
5	/WR	8080family:write signal, 6800family:R/W signal
6	/RD	8080family:read signal, 6800family:enable clock
7-14	DB0-DB7	Data bus line
15	/CS	Chip select
16	/RST	Reset signal
17	V _{ee}	Negative Voltage output
18	BUSY	Busy signal output
19	INT	Interrupt signal output
20	A	Backlight led+

Electrical Characteristics

Item	Symbol	Min	Typ	Max
Operating Voltage(V)	V _{DD}	4.7	5.0	5.3
Supply Voltage For LCD	V _{DD} - V ₀	—	23.0	—
Input High Voltage(V)	V _{IH}	0.7	—	V _{DD}
Input Low Voltage(V)	V _{IL}	V _{SS}	—	0.6
Operating Current(mA)	I _{DD}	—	7.5	—

Backlight Characteristics

Item	Symbol	Min	Typ	Max	Unit
Forward Voltage	V _f (edge)	3.4	3.5	3.6	V
Forward Current	I _f (edge)	120	160	200	mA

Absolute Maximum

Item	Symbo	Min	Max
Operating Voltage(V)	V _{dd}	-0.3	5.5
Operating Temperature(°C)	T _{op}	-20	+70
Storage Temperature (°C)	T _{st}	-30	+80