

Mechanical Data

Item	Standard Value	Unit
Module Dimension	75.3x54.9	mm
Viewing Area	61.6x42.5	mm
Dot Size	0.22x0.22	mm
Dot Pitch	0.24x0.24	mm

Absolute Maximum Rating

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	2.5	5.0	5.5	V
Input Voltage	VI	0	---	VDD	V

Note: VSS=0 Volt, VDD=5.0 Volt.

Electronical Characteristics

Item	Symbol	Condition	Standard Value			Unit
			min.	typ.	max.	
Input Voltage	VDD	---	2.5	---	5.5	V
Supply Current	IDD	---	---	---	2.0	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-VO	-20°C	---	---	21.5	V
		0°C	---	---	---	
		50°C	---	19.5	---	
		25°C	---	---	---	
		70°C	17.5	---	---	
LED Forward Voltage	VF	25°C	3.4	3.5	3.6	V
LED Forward Current	IF	25°C	64.0	80.0	120.0	mA
EL Power Supply Current	IEF	Vel=110VAC,400Hz	---	---	5.0	mA

Feature

1. No controller
2. 1/160 duty cycle
3. +5V power supply
4. RT240160A1: IC RA8835, LED Y/G option

Pin NO.	Symbol	Function
1	CL2	Data shift pulse
2	CL1	Data latch pulse
3	FLM	Scan start-up signal
4	M/NC	Frame reverse signal(alternate signal)
5	DB0	Data bus line
6	DB1	Data bus line
7	DB2	Data bus line
8	DB3	Data bus line
9	VEE	Power supply for LCD
10	Vdd	Power supply for logic
11	Vss	Ground
12	BLE	EL control signal
13	VELG	Ground for EL
14	VEL	Power supply for EL
15	Vee	Negative Voltage
16	DISP	Display OFF

TAB type

RT240160A TAB 240x160 dots

Dimension drawing

