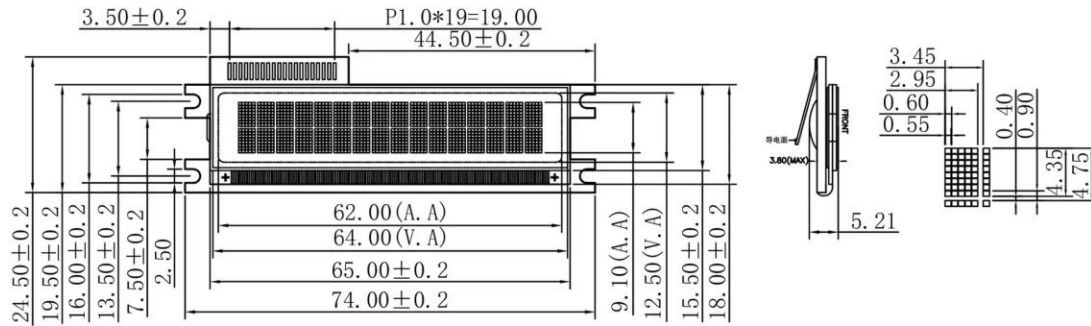




UNIT:mm

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply voltage (Logic)	VDD	4.5	5.5	V
Supply voltage (LCD)	VDD-V0	3.0	11	V
Input voltage	VI	-0.3	VDD	V
Operating Temp	Topr	-20	70	°C
Storage Temp	Tstg	-30	80	°C

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module size (WxHxT)	85.0x30.0x10.0	mm
Viewing Area (WxH)	65.0x16.0	mm
Dot Pitch (WxH)	0.62x0.64	mm
Dot Size (WxH)	0.52x0.54	mm
Character Size (WxH)	3.0x5.02	mm

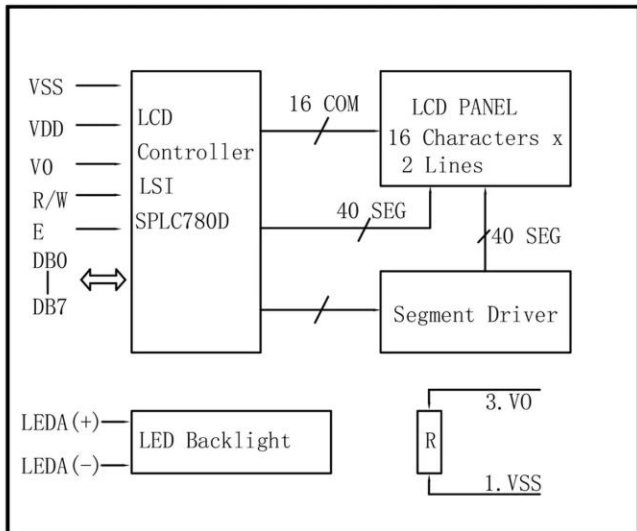
ELECTRICAL CHARACTERISTICS (VDD=5V±0.25V)

Item	Symbol	Text Condition	Min.	Typ	Max.	Unit
Input High Voltage	VIH	--	2.5	--	VDD	V
Input Low Voltage	VIL	--	-0.3	--	0.6	V
Output High Voltage	VOH	LOH=-40uA	2.4	--	VDD	V
Output Low Voltage	VOL	IOL=140uA	--	--	0.4	V
Supply Current	IDD	VDD=5.0V	--	0.55	2.0	mA

PIN CONNECTIONS

Pin	Symbol	Level	Function
1	VDD	--	Supply Voltage for Logic
2	VSS	--	GND (0V)
3	Vo	--	LCD Driving Voltage
4	RS	H/L	H:Data L:Instruction Code
5	R/W	H/L	H:Read L:Write
6	E	H/L	Enable signal
7	DB0	H/L	Data Bus Line
8	DB1	H/L	
9	DB2	H/L	
10	DB3	H/L	
11	DB4	H/L	
12	DB5	H/L	
13	DB6	H/L	
14	DB7	H/L	
A	LED+	--	LED Backlight Power Supply
B	LED-	--	

BLOCK DIAGRAM



LED BACKLIGHT SPECIFICATIONS (Ta=25°C)

LCD Color	Backlight