

ABSOLUTE MAXIMUM RATE

Item	Symbol	Atti.	Max.	Unit
Supply Voltage(Logic)	Vdd - Vss	-0.3	7.0	V
Supply Voltage(LCD)	Vdd - 0	-03	13.0	V
Input Voltage		-0.3	Vdd + 0.3	V
Operating Temp.		0	50	°C
Storage Temp.	Ţ.Ø	-10	60	°C

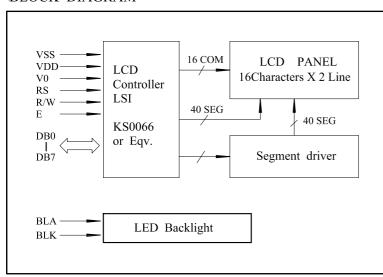
MECHANICAL DATA

Item	Max.	Unit
Module Size (W X H X T)	80.0 X 36.0 X 10.5/13.5	mm
Viewing Area(W X H)	64.5 X 13.8	mm
Character Size(W X H)	2.95 X 5.55	mm
Dot Size(W X H)	0.55 X 0.65	mm
View Angle	6 or 12 O'Clock	

ELECTRICAL HALACTERISTICS (Vdd=5V± 0.25V)

Lein	Sy abol	Test Condition	Min.	Тур.	Max.	Unit
Input High Yolk ve	Vih		2.0		Vdd	V
Input ow on ge	Vil		-0.3		0.8	V
utput Nin oltage	Voh	Ioh=-0.2mA	2.4		Vdd	V
Output L w Voltage	Vol	Iol=-1.6mA	0		0.4	V
und Current	Idd	Vdd=5.0V		1.5	3.0	mA
L D Driving Voltage	Vdd - V0	Ta=25 °C		4.7		V

BLOCK DIAGRAM



PIN CONNECTIONS

_	TIN CONNECTIONS					
	Pin	Symbol	Level	Function		
ı	1	VSS	0V	Power GND		
ı	2	VDD	+5V	Power supply for logic		
ĺ	3	V0		Operation voltage for LCD		
	4	RS	H/L	H:Data		
	4	4 KS H/L	L:Instruction code			
ĺ	5	R/W	H/L	H:Read		
١	3			L:Write		
Ī	6	Е	H/L	Enable signal		
ĺ	7	DB0	H/L			
ı	8	DB1	H/L			
ĺ	9	DB2	H/L			
ĺ	10	DB3	H/L	Data bus line		
ĺ	11	DB4	H/L	Data bus line		
	12	DB5	H/L			
ı	13	DB6	H/L			
ĺ	14	DB7	H/L			
ı	15	BLA	+5V	Power supply for LED backlight		
	16	BLK	0V	Tower suppry for LED backlight		

LCD Type

LCD Color	Blacklight
Yellow Green	LED/Yellow Green/4.1V
Gray	LED/Yellow Green/4.1V