



**Interface**

Pin no	Symbol	Function
1	VSS	Power supply (GND)
2	VDD	Power supply(+)
3	VO	Contrast Adjustment
4	D/I	Data/Instruction
5	R/W	Read / Write select
6	E	Enable Signal
7	DB0	Date bus line
8	DB1	Date bus line
9	DB2	Date bus line
10	DB3	Date bus line
11	DB4	Date bus line
12	DB5	Date bus line
13	DB6	Date bus line
14	DB7	Date bus line
15	/CS1	L→Chip1 Enable
16	RESET	Reset signal
17	/CS2	L→Chip2 Enable
18	/CS3	L→Chip3 Enable
19	VOUT	Negative Voltage Out
20	LEDA	LED B/L (+)

**Feature**

Controller	KS0107	Module	130 x 65
Duty	1/64 duty	Viewing Area	103 x 38
Bias	1/9 bias	Mounting hole	121 x 53
B/L	Y/G	Character Size	0.458 x 0.458

**Absolute Maximum Rating**

Item	Symbol	Condition	Min	Max	Units
Supply for logic voltage	Vdd-Vss	25°C	-0.3	7	V
LCD driving supply voltage	Vdd-Vss	25°C	-0.3	13	V
Input voltage	Vin	25°C	-0.3	Vdd+0.3	V

**Electrical Characteristics**

Item	Symbol	Condition	Min.	Typ.	Max.	Units
Power supply voltage	Vdd-Vss	25°C	4.5	-	5.5	V
LCD operation voltage	Vop	25°C	-	10.8	-	V
LED Forward Voltage	VF	25°C	-	4.2	-	V
LED Forward Current	IF	25°C	-	250	-	mA