



**Interface**

Pin no	Symbol	Function
1	DB7	Date bus line
2	DB6	Date bus line
3	DB5	Date bus line
4	DB4	Date bus line
5	DB3	Date bus line
6	DB2	Date bus line
7	DB1	Date bus line
8	DB0	Date bus line
9	E	Enable Signal
10	R/W	Read / Write select
11	RS	Data / Instruction select
12	VO	Contrast Adjustment
13	VDD	Power supply(+)
14	VSS	Power supply (GND)
15	CSB	Chip Enable
16	CSA	Chip Enable
17	VOUT	Negative Voltage Out
18	RSTB	Reset signal
19	LEDA	LED B/L (+)
20	LEDK	LED B/L (-)

**Feature**

Controller	KS0107B	Module	108 x 45
Duty	1/64 duty	Viewing Area	84 x 31
Bias	1/9 bias	Mounting hole	-
B/L	Y/G	Character Size	0.36 x 0.36

**Absolute Maximum Rating**

I tem	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	-	13	-	V
LED Forward Voltage	VF	25°C	-	4.2	-	V
LED Forward Current	IF	25°C	-	200	-	mA