



Interface

Pin no	Symbol	Function
1	CS1	Chip1 Enable
2	CS2	Chip2 Enable
3	VSS	Power supply (GND)
4	VDD	Power supply(+)
5	VO	Contrast Adjustment
6	D/I	Selection of command or data.
7	R/W	Read/Write (R/W) signal
8	E	Enable Signal
9	DB0	Date bus line
10	DB1	Date bus line
11	DB2	Date bus line
12	DB3	Date bus line
13	DB4	Date bus line
14	DB5	Date bus line
15	DB6	Date bus line
16	DB7	Date bus line
17	RST	External reset pin
18	VOUT	Negative Voltage Out
19	LEDA	LED B/L (+)
20	LEDK	LED B/L (-)

Feature

Controller	KS0107	Module	78 x 70
Duty	1/64 duty	Viewing Area	62 x 44
Bias	1/9 bias	Mounting hole	68 x 65
B/L	WHITE	Character Size	0.39 x 0.55

Absolute Maximum Rating

I tem	Symbol	Condition	Min	Max	Units
Supply for logic voltage	V _{dd} -V _{ss}	25°C	-0.3	7	V
LCD driving supply voltage	V _{dd} -V _{ss}	25°C	-0.3	13	V
Input voltage	V _{in}	25°C	-0.3	V _{dd} +0.3	V

Electrical Characteristics

Item	Symbol	Condition	Min.	Typ.	Max.	Units
Power supply voltage	V _{dd} -V _{ss}	25°C	4.5	-	5.5	V
LCD operation voltage	V _{op}	25°C	-	8.8	-	V
LED Forward Voltage	V _F	25°C	-	5	-	V
LED Forward Current	I _F	25°C	-	60	-	mA