



	LED-H/L B/L	
	High	LOW
H1	14.3	12.1
H2	9.7	7.5

DOT SIZE
SCALE 10/1

EL or NO B/L

Feature

1. Built-in controller(NT7107,NT7108 or equivalent)
2. +5V power supply(Also available for +3.3V)
3. 1/64duty cycle

Mechanical Data

Item	Value
Outline (mm)	78.0 x70.0x14.3MAX
Viewing Area (mm)	62.0x44.0
Active Area (mm)	56.3x38.38
Dot Size (mm)	0.42x 0.58
Dot Pitch (mm)	0.44x 0.60

Terminal Function

Pin No.	Symbol	Function
1	/CS1	Chip select for IC1
2	/CS2	Chip select for IC2
3	VSS	GND
4	VDD	Supply voltage for logic
5	V0	Contrast Adjustment
6	D/I	Data/instruction
7	R/W	Data read/write
8	E	Enable signal
9-16	DB0-DB7	Data bus line
17	/RST	Reset signal
18	Vee	Negative Voltage output
19	A	Backlight LED+
20	K	Backlight LED-

Electrical Characteristics

Item	Symbol	Min	Typ	Max
Operating Voltage(V)	V _{DD}	4.7	5.0	5.3
Supply Voltage For LCD	V _{DD} -V0	—	9.0	—
Input High Voltage(V)	V _{IH}	0.7 V _{DD}	—	V _{DD}
Input Low Voltage(V)	V _{IL}	V _{SS}	—	0.6
Operating Current(mA)	I _{DD}	—	2.5	5.0

Backlight Characteristics

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	V _F	--	5.0	--
Forward Current (mA)	I _F	--	64	80

Absolute Maximum Rating

Item	Symbol	Min	Max
Power Supply(V)	V _{DD} -V _{SS}	-0.3	7.0
Operating Temperature(°C)	T _{op}	-20	+70
Storage Temperature (°C)	T _{st}	-30	+80