

DG-16160

- 160 x 160 dots
- STN /LED Backlight
- 1/160 Duty,

MECHANICAL DATA		
Item	Dimension	Unit
Module Size	87.0(W) x 87.0(H) x 10.3(T)	mm
View Area	62.0(W) x 62.0(H)	mm
Dot Size	0.34 x 0.34	mm
Dot Pitch	0.38x 0.38	mm

ABSOLUTELY MAXIMUM RATINGS					
Item	Symbol	Standard Value			Unit
		Min	Typ.	Max.	
Supply Voltage for Logic	$V_{DD} - V_{SS}$	0	--	7.0	V
Supply Voltage for LCD Drive	$V_{DD} - V_{EE}$	0	--	26.0	V
Input Voltage	V_I	V_{SS}	--	V_{DD}	V

PIN FUNCTIONS			
Pin No.	Symbol	Level	Function
1	V_{SS}		Ground
2	M		Control Signal for AC Driving
3	FLM		The FLM Signal Indicates, The Beginning of Each Display Cycle
4	CL1		The CL1 Latch, The Serial Data in Shift Register
5	CL2		Clock Signal for Shifting the Serial Data
6~9	D3~D0		Serial Row Data
10	$V_{EE} (-18V)$		Power Supply For LCD Driving

11	V _{DD} (+5V)		Power Supply For Logic CRT
12	V ₀		Operation Voltage for LCD Driving
13	DISPOFF		Display OFF when Low Level
14	CATHODE		Power Supply For LED Backlight(-)
15~20	ANODE		Power Supply For LED Backlight(+)

ELECTRICAL CHARACTERISTICS						
Item	Symbol	Condition	Min.	Type	Max.	Unit
Logic Driver Circuit Power Supply Voltage	V _{DD} -V _{SS}	--	4.75	5.0	5.25	V
LCD Driver Circuit Power Supply Voltage	V _{DD} -V _{EE}	-10°C	20.6	22.1	23.6	V
		25°C	18.5	20.0	21.5	V
		60°C	15.7	17.2	18.7	V
Input Voltage	V _{IH}	Notes(1)	0.7xV _{DD}	--	V _{DD}	V
Input Voltage	V _{IL}	Notes(1)	0	--	0.3xV _{DD}	V
Output Voltage	V _{OH}					V
Output Voltage	V _{OL}					V
Input Leakage Current	I _U					μA
Supply Current	I _{DD}	V _{DD} =0.5V	--	6.0	--	mA
	I _{EE}	V _{EE} =15V	--	3.0	--	mA