

DG-24064

- 240 x 64 dots
- STN/B&W Reflective/EL/LED/CCFL Backlight
- 1/64 Duty,

MECHANICAL DATA		
Item	Dimension	Unit
Module Size	180.0(W) x65.0(H) x 12.0(T)	mm
View Area	132.0(W) x 39.0(H)	mm
Dot Size	0.49 x 0.49	mm
Dot Pitch	0.53x 0.53	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	--	19.0	V
Input Voltage	V_I	V_{SS}	--	V_{DD}	V

PIN FUNCTIONS			
Pin No.	Symbol	Level	Function
1	V_{SS}		Ground
2	V_{DD}		Power Supply For Logic Circuit
3	V_0		Power Supply For LCD
4	RS	H/L	H→Instruction L→Data
5	R/W	H/L	H:Data Read, L:Data Write
6	E	H/L	Enable
7~14	DB0~DB7		Data Bus Line
15	CS		Chip Enable Active "L"

16	R _{ES}		Reset Active "L"
17	R _{EE}		Negative Voltage Output(-10V)
18~20	NC		

ELECTRICAL CHARACTERISTICS				
Item	Symbol	Condition	Specification	Unit
Logic circuit Power	V _{DD}	--	4.75 →5.5	V
Supply Voltage	V ₀	--	-5.0 →20.0	V
EL Drive Voltage	V _{EL}	f _{EL} =500HZ	90 →110	V
Hight Level Output Voltage	V _{IH}	V _{DD=5V} ±0.25V	(0.7→ 1.0) x V _{DD}	V
Low Level Output Voltage	V _{IL}	V _{DD=5V} ±0.25V	(0→ 0.3) x V _{DD}	V
Hight Level Output Voltage	V _{OH}	V _{DD=5V} ±0.25V	2.4→ V _{DD}	V
Low Level Output Voltage	I _{OL}	V _{DD=5V} ±0.25V	0→0.4	V
Current Consumption	I _{DD}	V _{DD=5V}	15.0MAX	mA
	I _{EE}	V _{EE=-10V}	2.0MAX	mA
	I _{EL}	V _{EL=110V} f _{EL} =500HZ	20.0(AC)MAX	mA