



DG24064-02

240 X 64 Dots

■ Mechanical Data			■ Absolute Maximum Ratings					
Item	Standard Value	Unit	Item	Symbol	Standard Value			Unit
					Min.	Typ.	Max.	
Module Size	180.0(W) x 65.0(H) x 10.0(T)	mm	Supply Voltage for Logic	V _{dd} -V _{ss}	-0.3	--	7.0	V
Viewing Area	132.0(W) x 39.0 (H)	mm	Supply Voltage for LCD Drive	V _{dd} -V _{ee}	-0.3	--	28.0	V
Dot Pixels	240 x 64	dots	Input Voltage	V _I	-0.3	--	V _{dd} +0.3	V
Dot Size	0.49 x 0.49	mm	Operation Temperature	Topr	0	--	50	°C
Dot Pitch	0.53 x 0.53	mm	Storage Temperature	Tstg	-20	--	60	°C
■ Electrical Characteristics								
Item	Symbol	Condition	Standard Value			Unit		
			Min.	Typ.	Max.			
Supply Voltage (Logic)	V _{dd} -V _{ss}	--	4.5	5.0	5.5	V		
Supply Voltage (LCD Drive)	V _{dd} -V _{ee}	--	8.0	--	26.0	V		
Input Voltage	V _{IH}	High Level	V _{DD} -2.2	--	V _{DD}	V		
Input Voltage	V _{IL}	Low Level	0	--	0.8 x V _{DD}	V		
Supply Voltage for LCD Drive 1/64 duty	V _{dd} -V _{ee}	Ta=25 °C	11.9	12.6	13.2	V		
Supply current	I _{DD}	V _{DD} = 5V	--		5.0	mA		
	I _{EE}	V _{EE} = 15V			13.0			
Power consumption		V _{DD} = 5V	--	75	95	mA		
		V _{EE} = 15V						
■ Pin Assignment				■ Block Diagram				
No.	Symbol	Level	Function					
1.	FGND		Frame ground (connected to bezel)					
2.	V _{SS}		Power supply (0V, GND)					
3.	V _{DD}		Power supply for Logic					
4.	V _{EE}		Power supply for LCD drive					
5.	WR	input	Data write					
6.	RD	input	Data read					
7.	CE	input	Chip enable					
8.	C/D	Input	Code/data					
9.	NC	--	No connection					
10.	RESET	input	Reset Signal ('L' Reset)					
11~18	DB0-DB7	I/O	Data bus line					
19	FS	Input	Font select					
20	NC	--	No connection					
■ External Dimensions								
Ref EL B/L LED B/L								