DG-12864-12

- **128 x 64dots**

- **STN Reflective/EL/LED Backlight**

- **1/64 Duty,**

MECHANICAL DATA

Item	Dimension	Unit
Module Size	78.0(W) x 70.0(H) x 10.5(T)	mm
View Area	62.0(W) x 44.0(H)	mm
Dot Size	0.4 x 0.56	mm
Dot Pitch	0.44 x 0.6	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	--	10.0	V
Input Voltage	V_I	V_{SS}	--	V_{DD}	V

PIN FUNCTIONS

Pin No.	Symbol	Level	Function
1	FG	--	Frame Ground
2	V_{SS}	--	Ground
3	V_{DD}	--	Power Supply For Logic & LCD(+)
4	V_{EE}	--	Power Supply For LCD (-)
5	/WR	H/L	Data Write
6	/RD	H/L	Data Read
7	/CE	INPUT	Chip Enable
8	C/D	INPUT	Code/Data

9	/RST	L	Reset
10~17	DB0~DB7	H/L	Data Bus Line
18	FS	INPUT	Font Size Select H=6x8 L=8x8
19	LEDK	--	LED Power Supply
20	LEDK	--	LED Power Supply

ELECTRICAL CHARACTERISTICS

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Logic circuit Power Supply Voltage	V_{DD}-V_{SS}	--	4.75	5.0	5.5	V
LCD Driver Circuit Power Supply Voltage	V_{DD}-V_{EE}	-20℃	--	8.97	--	V
		0℃	--	9.109	--	V
		25℃	--	8.969	--	V
		50℃	--	8.736	--	V
		70℃	--	8.35	--	V
Input Voltage	V_{IH}	Note(1)	$0.7 \times V_{DD}$	--	V_{DD}	V
Input Voltage	V_{IL}	Note(1)	V_{SS}	--	$0.3 \times V_{DD}$	V
Supply Current(Logic)	I_{DD}	$V_{DD}=5.0V$	--	8.0	15.0	mA