

48128 480 x 128dots 1/128 Duty STN/B&W CCFL Backlight

MECHANICAL DATA

Item	Dimension	Unit
Module Size	270.0(W) x 100.0(H) x 14.5(T)	mm
View Area	224.0(W) x 65.6(H)	mm
Dot Size	0.41 x 0.41	mm
Dot Pitch	0.45 x 0.45	mm

ABSOLUTELY MAXIMUM RATINGS

Item	Symbol	Standard Value			Unit
		Min	Typ.	Max.	
Supply Voltage for Logic	$V_{DD}-V_{SS}$	0	--	6.5	V
Supply Voltage for LCD Drive	$V_{DD}-V_{EE}$	0	--	25	V
Input Voltage	V_I	V_{SS}	--	V_{DD}	V

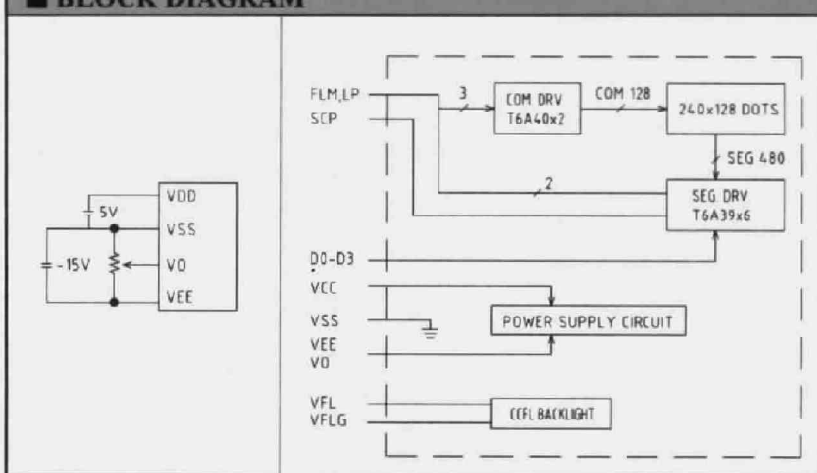
ELECTRICAL CHARACTERISTICS

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Logic circuit Power						
Supply Voltage	$V_{DD}-V_{SS}$	--	4.75	5.0	5.25	V
LCD Driver Circuit Power						
Supply Voltage	$V_{DD}-V_{EE}$	25°C	16.7	17.4	18.0	V
Input Voltage	V_{IH}	--	$0.8 \times V_{DD}$	--	V_{DD}	V
Input Voltage	V_{IL}	--	V_{SS}	--	$0.2 \times V_{DD}$	V
Output Voltage	V_{OH}					V
Output Voltage	V_{OL}					V
Input Leakage Current	I_U					μA
Supply Current	I_{DD}	$V_{DD}=5.0V$	--	8.0	16.0	mA
EL Backlite Current	I_{EE}	$V_{EE}=-20.0V$	--	4.5	9.0	mA

PIN FUNCTIONS

Pin No.	Symbol	Level	Function
1	FGND		Frame Ground
2	NC		
3	FLM		First Line Mark
4	LP		Latch Pulse
5	SCP		Shift Clock Pulse for X-Driver
6	V_{SS}		Ground (0V)
7	D0		Data (LSB)
8	D1		Data
9	D2		Data
10	D3		Data
11	V_{SS}		Ground (0V)
12	V_{DD}		Power Supply for Logic (5V)
13	V_0		Power Supply for Contract Control
14	V_{EE}		Power Supply for LCD Driver
15	V_{SS}		Ground (0V)

BLOCK DIAGRAM



DIMENSION OUTLINE

