



## CONTOUR DRAWING & BLOCK DIAGRAM



ABSOLUTE MAXIMUM RATINGS				
PARAMETER	SYMBOL	MIN.	MAX.	UNIT
Supply Voltage	Vdd	-0.3	7.0	V
LCD Supply Voltage	Vlcd(Vdd-V0)	-13.5	0.3	V
Input Voltage	Vin	-0.3	Vdd+0.3	V
Operating Temperature*	Top	0/-20	50/70	° C
Storage Temperature*	Tstr	-10/-30	60/80	° C

\*T1/T2: T1for standard temperature LCM, T2 for wide temperature LCM

ELECTRICAL CHARACTERISTICS(Ta=25° C)						
ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply Voltage(logic)	Vdd	-	4.5	5.0	5.5	V
Supply Current(logic)	Idd	Vdd=5.0	0.8	1.2	1.5	mA
Driving Voltage(LCD)	Vlcd	-	4.5	5.0	5.5	V
Driving Current(LCD)	Ilcd	-	-	0.2	0.4	mA

BACKLIGHT CHARACTERISTICS (Ta=25° C)						
PARAMETER	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply Voltage	Vf	If=120mA	3.8	4.1	4.3	V
LED Forward Current	If		-	120	-	mA
LED Dissipation	Pd		-	490	-	mW