Deepakshi display devices pvt ltd.

■ DC CHARACTERISTICS

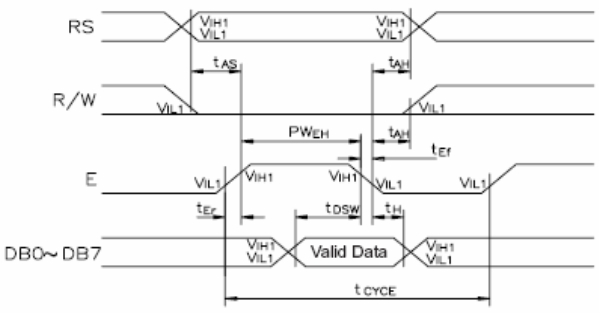
ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT	APPLICABLE TERMINAL
			MIN	TYP	MAX		
Power Supply Voltage	V_{DD}		4.5	5	5.5	V	V_{DD}
Input "H" Level Voltage	V_{IH1}		2.2	-	V_{DD}	V	RS,R/$\overline{W}$,E,DB_0~DB_7
Input "L" Level Voltage	V_{IL1}		-0.3	-	0.6	V	
Output "H" Level Voltage	V_{OH}	I_{OH}= 0.205 mA	2.4	-	-	V	DB_0~DB_7
Output "L" Level Voltage	V_{OL}	I_{OL}= 1.2 mA	-	-	0.4	V	
Input Leakage Current	I_{LI}	V_{IN}= 0~V_{DD}	-1	-	1	μA	RS,R/$\overline{W}$,E,DB_0~DB_7
Power Supply current	I_{DD}	V_{DD}= 5V	-	-	3	mA	V_{DD}
LCD Power Supply Voltage	V_{LCD}	V_{DD}-V_0	3	-		V	V_0

■ AC CHARACTERISTICS

ITEM		SYMBOL	MIN	MAX	UNIT
Enable Cycle Time		t_{CYCE}	500	-	ns
Enable Pulse Width	"High Level"	P_{WEH}	230	-	ns
Enable Rise/Fall Time		t_{ER}, t_{Ef}	-	20	ns
Address Set-up Time	RS,R/$\overline{W}$ to E	t_{AS}	40	-	ns
Address Hold Time		t_{AH}	10	-	ns
Data Set-up Time		t_{DSW}	80	-	ns
Data delay Time		t_{DDR}	-	160	ns
Data Hold Time (Writing)		t_H	10	-	ns
Data Hold Time (Reading)		t_{DHR}	5	-	ns
Clock Oscillation Frequency		f_{OSC}	270 (TYP.)		KHz

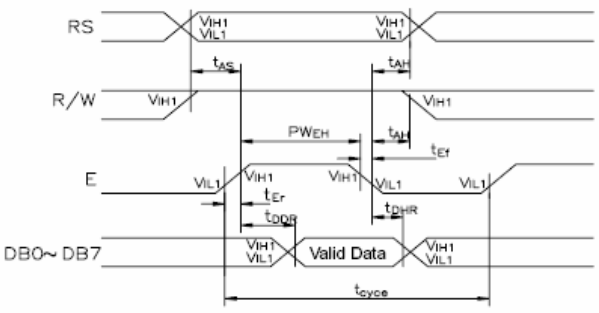
■ TIMING CHARACTERISTICS

FIG.1 WRITE OPERATION



(Write Data from MPU to MODULE)

FIG.2 READ OPERATION



(Read Data from MODULE to MPU)