



NOTE:
 1. DISPLAY TYPE:STN/YELLOW GREEN
 2. VIEWING DIRECTION:6 O'CLOCK
 3. POLARIZER MODE:TRANSLUCTIVE/POSITIVE
 4. DRIVE METHOD:1/65DUTY 1/9BIAS
 5. OPERATING VOLTAGE:10.5V(FOR REFERENCE VOLTAGE)
 6. OPERATING TEMP:0 °C +50 °C
 7. STORAGE TEMP: -20 °C +80 °C
 8. CONNECTION: TAB
 9. IC:KS0713TB-03

FEATURE

- 1. STN, Positive, Transflective
- 2. IC: Samsung KS0713TB-03(TAB)
- 3. 1/65Duty, 1/9Bias, 6 O'clock
- 4. Display dot: Blue, Background: Yellow-Green

Pin NO	Symbol	Pin NO	Symbol
1	DUMMY	24	CLS
2	TEMPS	25	MS
3	INTRS	26	DUTY1
4	HPM	27	DUTY0
5	DCDC5B	28	DB7
6	BSTS	29	DB6
7	V4	30	DB5
8	V3	31	DB4
9	V2	32	DB3
10	V1	33	DB2
11	V0	34	DB1
12	VR	35	DB0
13	C2-	36	RD
14	C2+	37	WR
15	C1-	38	RS
16	C1+	39	RES
17	C3-	40	CS2
18	C3+	41	CS1B
19	VOUT	42	DISP
20	VDD	43	CL
21	VSS	44	CS1B
22	PS	45	FRS
23	MI	46	DUMMY

MECHANICAL DATA		
Item	Standard Value	Unit
Module Dimension	61.8(W) × 58(H) × 2.1MAX(T)	mm
Viewing Area	58(W) × 28(H)	mm
Dot Size	0.34(W) × 0.34(H)	mm
Dot Pitch	0.38(W) × 0.38(H)	mm

ABSOLUTE MAXIMUM RATING					
Item	Symbol	Standard Value			Unit
		min	typ	max	
Supply Voltage For Logic	VDD-VSS	0	—	7	V
Input Voltage	VIN	0	—	VDD	V

ELECTRONICAL CHARACTERISTICS						
Item	Symbol	Condition	Standard Value			Unit
			min	typ	max	
Input Voltage	VIH	—	0.8VDD	—	VDD	V
	VIL		VSS	—	0.2VDD	
Output Voltage	VOH	—	0.8VDD	—	—	V
	VIL		VSS	—	0.1VDD	
Current Consumption	IDD	VDD=3.0V	—	0.42	2	mA
Supply Voltage For Logic	VDD-VSS	—	2.4	3.0	3.6	V
Supply Voltage For LCD	(V0-VSS)	—	10.0	10.5	11.0	V