



FEATURE

1. FSTN, Positive, Transflective/Display dot: Black/Background: white
2. IC: KS0713TB-03
3. 1/65 Duty, 1/7 Bias, 6 O'clock.
4. Backlight: NA

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

MECHANICAL DATA		
Item	Standard Value	Unit
Module Dimension	44.0(W) X 45.23(H) X 2.1(T)	mm
Viewing Area	40 (W) X 17.97 (H)	mm
Mounting hole	0.22(W) X 0.255(H)	mm
Dot Pitch	0.25(W) X 0.285(H)	mm

ABSOLUTE MAXIMUM RATING					
Item	Symbol	Standard Value			Unit
		min	typ	max	
Logic Power Supply	VDD-VSS	-0.3		7.0	V
LCD Drive Voltage	Vo-VSS	4.0		15	V

ELECTRONICAL CHARACTERISTICS						
Item	Symbol	Condition	Standard Value			Unit
			min	Typ	max	
Supply Voltage for Logic	VDD-VSS	25°C	2.4	3.0	3.6	V
SUPPLY Voltage For LCD Drive	Vo-VSS	25°C	7.0	8.5	9.0	V
Input Voltage	VIN	25°C	-0.3		VDD +0.3	V
Current Consumption	ID	25°C		0.13	1.0	mA
Operating Temp	Top		-10		50	°C
Storage Temp	Tst		-20		60	°C