



Feature

1. SAMSUNG KS0713COG IC
3. 1/32 duty cycle
3. Built-in booster

Pin Assignment

Pin	Symbol	Function
1	Vss	GND
2	Vdd	+3V
3	RESET	Reset the LCM
4	RS	Data/Instruction
5	R/W	H: Read data L: Write data
6	E	Enable Signal
7	SID	Serial data input
8	SCLK	Data bus line
9	CS	Chip select
10	NC	No connection

Mechanical Data

Item	Standard Value	Unit
Module Dimension	44.0 x 30.0	mm
Viewing Area	40.0 x 17.4	mm
Dot Pitch	0.48 x 0.4	mm

Absolute Maximum Rating

Item	Symbol	Standard Value			Unit
		min.	typ.	max.	
Power Supply	VDD-VSS	2.4	3.0	3.6	V
Input Voltage	VI	0	--	VDD	V

Note: VSS=0 Volt, VDD=5.0 Volt.

Electronical Characteristics

Item	Symbol	Condition	Standard Value			Unit
			min.	typ.	max.	
Input Voltage	VDD	VDD=3V	2.4	3.0	3.6	V
	VIO	VDD=3V	--	1.0	1.4	mA
Recommended LC Driving Voltage for Normal Temp. Version module	VDD-V0	-20°C	5.8	6.0	6.2	V
		0°C	5.6	5.8	6.0	
		25°C	5.4	5.6	5.8	
		70°C	4.8	5.0	5.2	
EL	IEL	Vel=110VAC;400Hz	--	--	0.8	mA