



GENERAL INFORMATION

Item	Contents	Unit
LCD Size	7.0	Inch
Number Of Pixels	800(H)RGB×480(V)	---
Sub Pixel pitch	0.0642(H)×0.179(V)	mm
Active Area	154.08(H)×85.92(V)	mm
Viewing area (W x H)	156.7×89.1	mm
LCM outline (W x H x T)	164.9(W)×100.0(H)×5.75(D)	mm
Display mode	TN,NW	---
View angle (L/R/U/D)	70/70/60/70	Degree
TFT Driver IC	ILI6122+ILI5960	---
Interface Type	RGB 24bit	---
Color depth	262K	color
LCM brightness	TYP 450	Cd/m ²
With/Without tp	/	---
TFT Power consumption	23	mw
BL Power consumption	1620	mw
Operation Temperature	-20~70	°C
LED life time	50,000	Hrs

ELECTRICAL CHARACTERISTICS

Parameter	Symbol	Min.	Typ.	Max.	Unit
Power Supply Voltage	VDD	3.0	3.3	3.6	V
	AVDD	10.2	10.4	10.6	V
	VGH	14.5	15.0	15.5	V
	VGL	-10.5	-10.0	-9.5	V
	VCOM	3.54	4.04	4.54	V
Power Supply Current	IVDD	-	7	-	mA
Input logic high voltage	VIH	0.7VDD	-	VDD	V
Input logic low voltage	VIL	0	-	0.3VDD	V

BACKLIGHT DRIVING CONDITION

Item	Symbol	Min	Typ	Max	Unit
Forward current	If	--	180	-	mA
Forward voltage	Vf	8.4	9.0	10.5	V

INTERFACE DESCRIPTION

No.	SYMBOL	I/O	Description
1-2	LEDA	P	LED power anode
3-4	LEDK	P	LED power cathode
5	GND	P	Ground
6	VCOM	P	Power supply for the TFT-LCD common electrode
7	VDD	P	Power for digital circuit
8	MODE	I	DE/SYNC mode select
9	DE	I	Data input enable.
10	VS SYNC	I	Vertical Sync Input
11	HSYNC	I	Horizontal Sync Input
12-19	B7-B0	I	Blue data
20-27	G7-G0	I	Green data
28-35	R7-R0	I	Red data
36	GND	P	Ground.
37	DCLK	I	Pixel clock input pin.
38	GND	P	Ground
39	L/R	I	Left / right selection
40	U/D	I	Up/down selection
41	VGH	P	Gate on voltage
42	VGL	P	Gate off voltage
43	AVDD	P	Power for analog circuit
44	RES	I	Global reset pin
45	NC	-	No connection
46	VCOM	P	Power supply for the TFT-LCD common electrode.
47	DITHB	I	Dithering function
48	GND	P	Ground
49	NC	-	No connection
50	NC	-	No connection