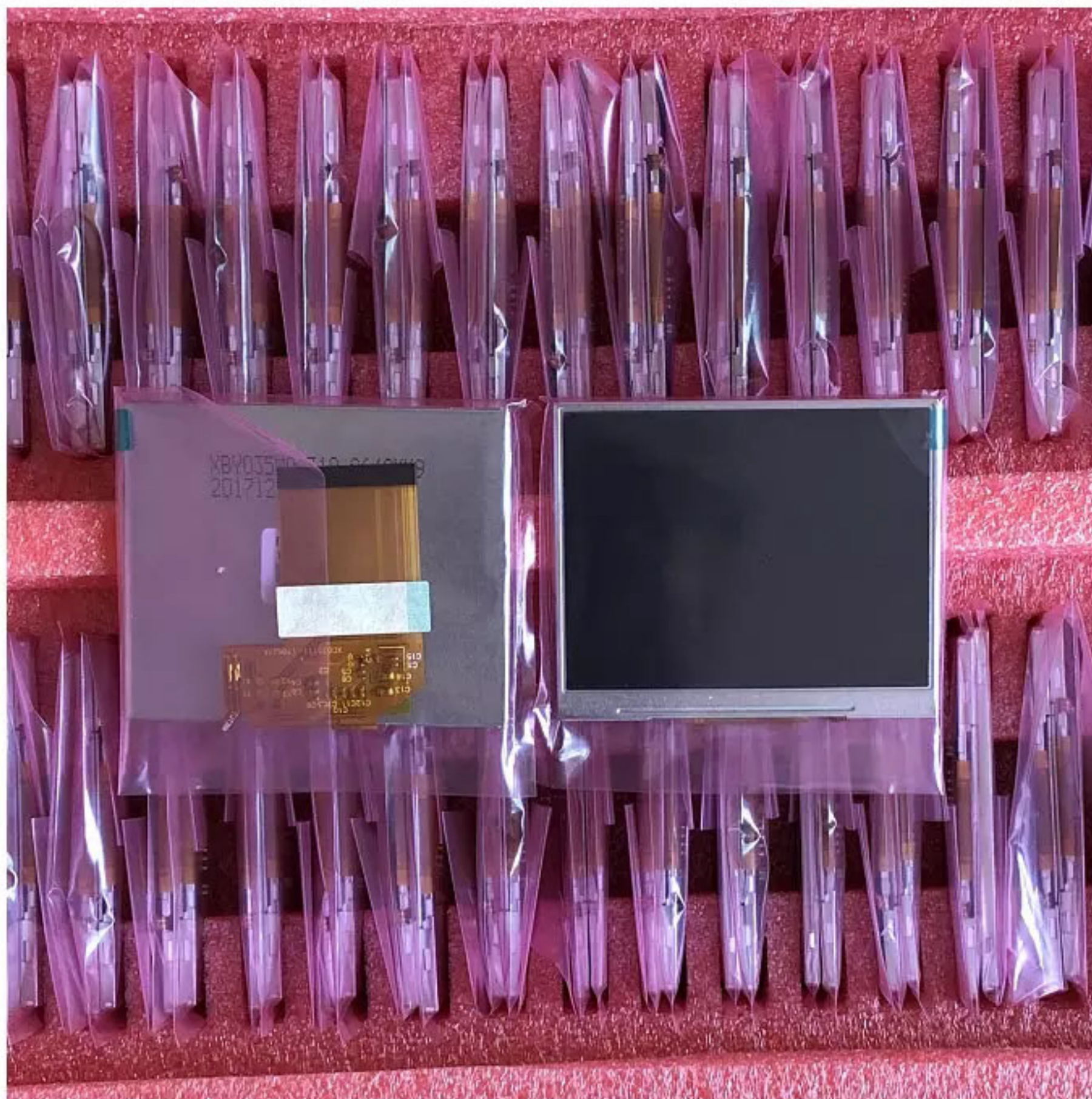






7.3.5 Source Driver Timing Chart

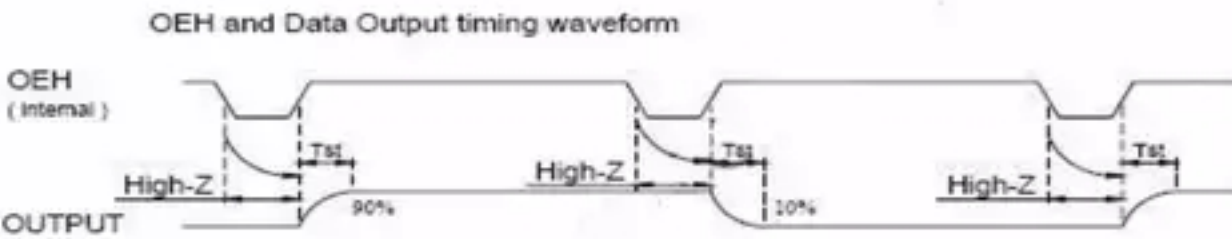
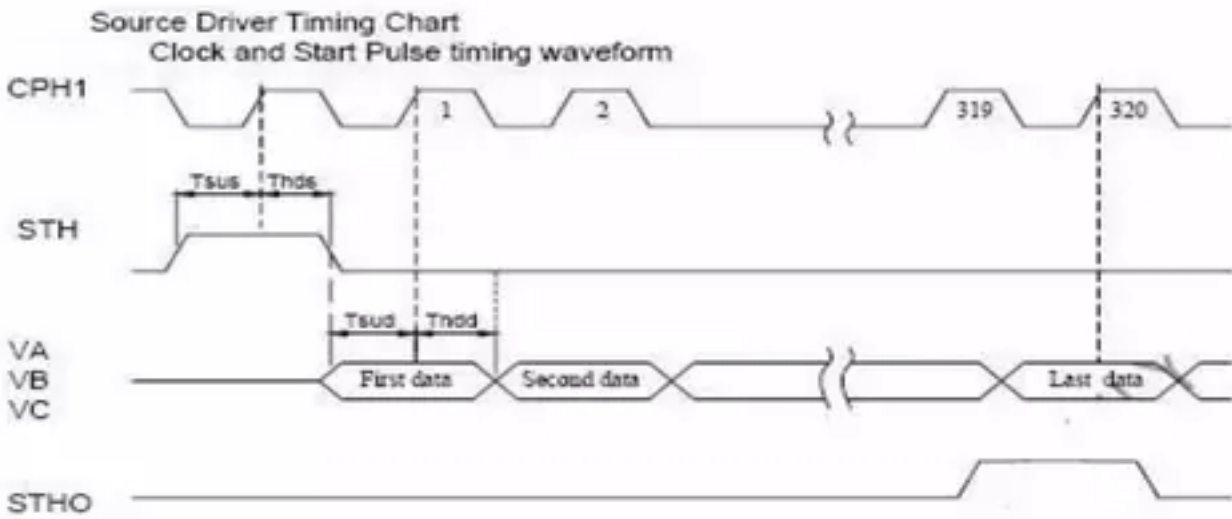
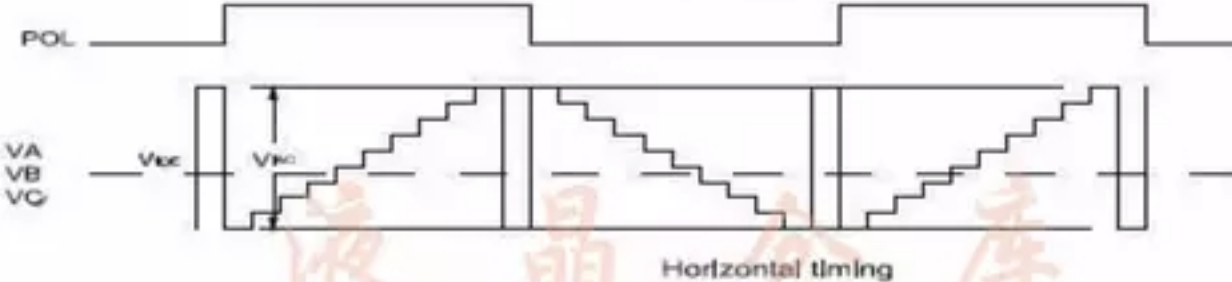


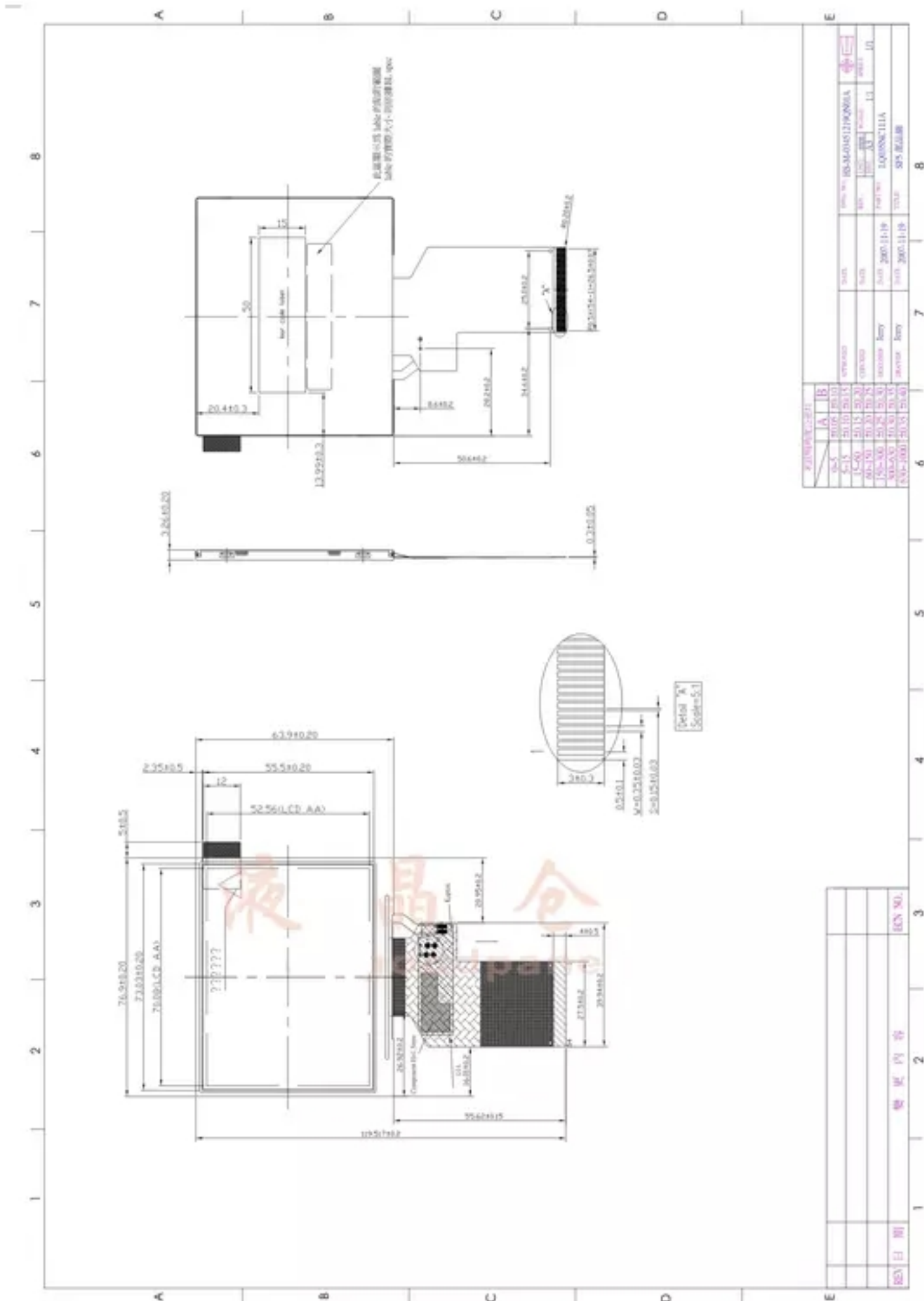
Table with 6 columns: PARAMETER, Symbol, Min., Typ., Max., Unit. The table lists video signal amplitude (VA, VB, VC) with symbols V_{IAG} and V_{IDC}, and typical values 3.81 and 2.385 V.

PARAMETER	Symbol	Min.	Typ.	Max.	Unit
Video signal amplitude (VA, VB, VC)	V _{IAG}	-	3.81	-	V
	V _{IDC}	-	2.385	-	V



Preliminary

13. OUTLINE DRAWING



Preliminary

1. SUMMARY

This technical specification applies to 3.45" color TFT-LCD panel. The 3.45" color TFT-LCD panel is designed for GPS, camcorder, digital camera application and other electronic products which require high quality flat panel displays.

This module follows RoHS.

2. FEATURES

High Resolution: 230,400 Dots (320 RGB x 240). LQ035NC111 is a transmissive type color active matrix liquid crystal display (LCD) which uses amorphous thin film transistor (TFT) as switching devices. This product is composed of a TFT LCD panel, driver ICs, FPC and a backlight unit.

3. GENERAL SPECIFICATIONS

Parameter	Specifications	Unit
Screen size	3.45(Diagonal)	inch
Display Format	320 RGB x 240	Dot
Active area	70.08(H) x 52.56(V)	mm
Dot size	73x 219	um
Pixel Configuration	RGB-Stripe	
Outline dimension	76.9(W) x 63.9(H) x 3.3(D)	mm
Display Mode	Normally white/Transmissive	
Display Garmut	NTSC 60%	
Input Interface	Digital 24-bit RGB/SERIAL RGB/CCIR656/CCIR601	
Weight	(40)	g
View Angle direction	6 o'clock	
Temperature Range	Operation	-20~70 °C
	Storage	-30~80 °C

4. ABSOLUTE MAXIMUM RATINGS

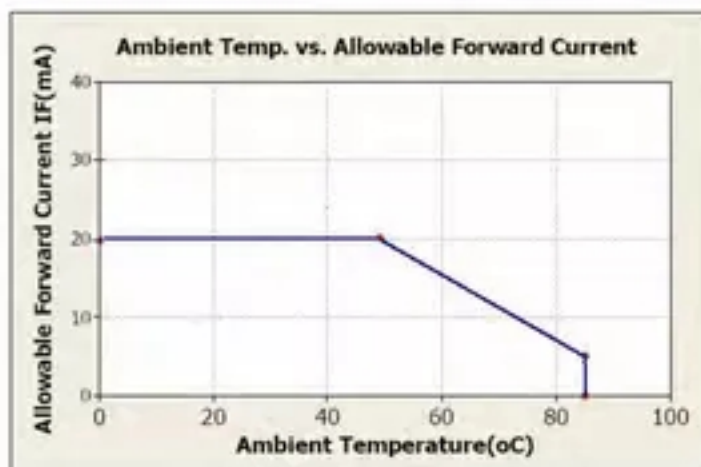
Item	Symbol	Condition	Min.	Max.	Unit	Remark
Power Voltage	DVDD,AVDD	GND=0	-0.3	5.0	V	
Input Signal Voltage	V_{in}	GND=0	-0.3	VDD+0.3	V	NOTE
Logic Output Voltage	V_{OUT}	GND=0	-0.3	VDD+0.3	V	NOTE

Note: Device is subject to be damaged permanently if stresses beyond those absolute maximum ratings listed above

1. Temp. $\leq 60^{\circ}\text{C}$, 90% RH MAX.

Temp. $> 60^{\circ}\text{C}$, Absolute humidity shall be less than 90% RH at 60°C

2.



Green	Green(0) Dark	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Green(1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Green(2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
	Green(253)	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0
	Green(254)	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
	Green(255)Bright	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
Blue	Blue(0) Dark	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Blue(1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Blue(2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
	Blue(253)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	0
	Blue(254)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		1	1	1	1	1	0	0
	Blue(255) Bright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		1	1	1	1	1	1	1

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