



Winstar Display Co., LTD

華凌光電股份有限公司



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SPECIFICATION

MODULE NO.: WF46ATIATDNNA#

General Specifications

Item	Dimension	Unit
Size	4.6	inch
Dot Matrix	800 x RGBx320(TFT)	dots
Module dimension	120.7(W) x 56.16(H) x 3.1(D)	mm
Active area	108 x 43.2	mm
Dot pitch	0.045(W)x 0.135(H)	mm
LCD type	TFT, Normally White, Transmissive	
View Direction	12 o'clock	
Gray Scale Inversion Direction	6 o'clock	
Aspect Ratio	Bar Type	
Backlight Type	LED, Normally White	
With /Without TP	Without TP	
Surface	Anti-Glare	

*Color tone slight changed by temperature and driving voltage.

Absolute Maximum Ratings

Item	Symbol	Min	Typ	Max	Unit
Operating Temperature	TOP	-20	—	+70	°C
Storage Temperature	TST	-30	—	+80	°C

Electrical Characteristics

Item	Symbol	Values			Unit
		MIN	TYP	MAX	
Power Voltage	DVDD	3.0	3.3	3.6	V
	AVDD	10.2	10.4	10.6	V
	VGH	15.3	16.0	16.7	V
	VGL	-6.7	-6.0	-5.3	V
Input signal voltage	VCOM	3.09	4.09	5.09	V
Input logic high voltage	VIH	0.7DVDD		DVDD	V
Input logic low voltage	VIL	0		0.7DVDD	V

Interface

No.	Symbol	Description
1	VLED-	Backlight LED Cathode
2	VLED+	Backlight LED Anode.
3	GND	System Ground
4	VDD	Power supply for logic operation
5~12	R0~R7	Data bus
13~20	G0~G7	Data bus
21~28	B0~B7	Data bus
29	GND	System Ground
30	DCLK	Pixel clock signal
31	DISP	Display on/off control
32	NC	No connect
33	NC	No connect
34	DE	Data Enable
35	NC	No connect
36	GND	System Ground
37	NC	No connect
38	NC	No connect
39	NC	No connect
40	NC	No connect

Contour Drawing

