



**WINSTAR Display Co.,Ltd.**  
**華凌光電股份有限公司**



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### SPECIFICATION

**MODULE NO.: WF43PTIBEDBTD#**

### General Specifications

Item	Dimension	Unit
Size	4.3	inch
Dot Matrix	480 x RGB x 272(TFT)	dots
Module dimension	106.7 x 83.98 x 10.55	mm
Active area	95.04 x 53.856	mm
Dot pitch	0.066 x 0.198	mm
LCD type	TFT, Normally White, Transmissive	
View Direction	12 o'clock	
Gray Scale Inversion Direction	6 o'clock	
Aspect Ratio	16:9	
Backlight Type	LED, Normally White	
Controller IC	RA8875	
Interface	Digital 8080 family MPU	
With /Without TP	With RTP	
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

## 1. Operating conditions: (CON3.Pin1=GND, Pin2=VDD)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Supply Voltage For LCM	VDD	—	3.0	3.3	3.6	V
Supply Current For LCM	IDD	—	—	65	100	mA

Note 1 : This value is test for VDD =3.3V , Ta=25°C only

## 2. Backlight driving conditions (CON3.Pin33,34=VLED-, Pin35,36=VLED+)

Parameter	Symbol	Min.	Typ.	Max.	Unit
Operation Current For LED Driver	VLED+=3.3V	270	-	405	mA
Power Consumption	VLED+=3.3V	891	-	1337	mW
Supply Voltage For LED Driver	VLED+	3.3	-	5	V
LED Life Time		-	50,000	-	Hr

# Interface

## LCM PIN Definition (CON3)

Pin	Symbol	Function
1	GND	System ground
2	VDD	Power Supply : +3.3V
3	NC	No connect
4	RS	Data/Command select
5	WR	Write strobe signal
6	RD	Read strobe signal
7~22	DB0~DB15	Data bus
23	WAIT	Wait Signal Output(H:active)
24	RTP_INT	RTP Interrupt
25	CS	Chip select
26	RST	Hardware reset
27	DIP ON	Display control H: On \ L:Off
28~32	NC	No connect
33~34	VLED-	Power for LED backlight cathode
35~36	VLED+	Power for LED backlight anode

