

WINSTAR Display

OLED SPECIFICATION

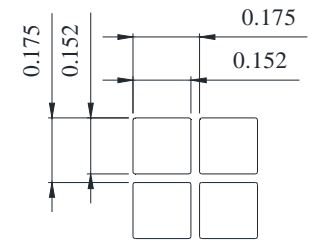
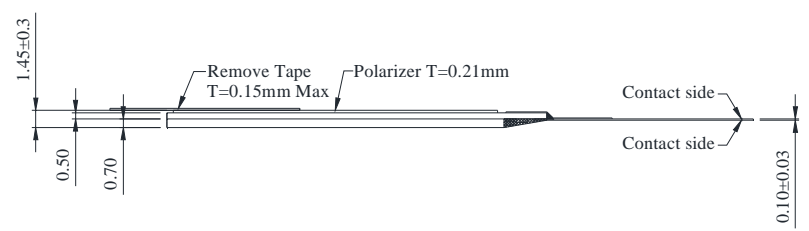
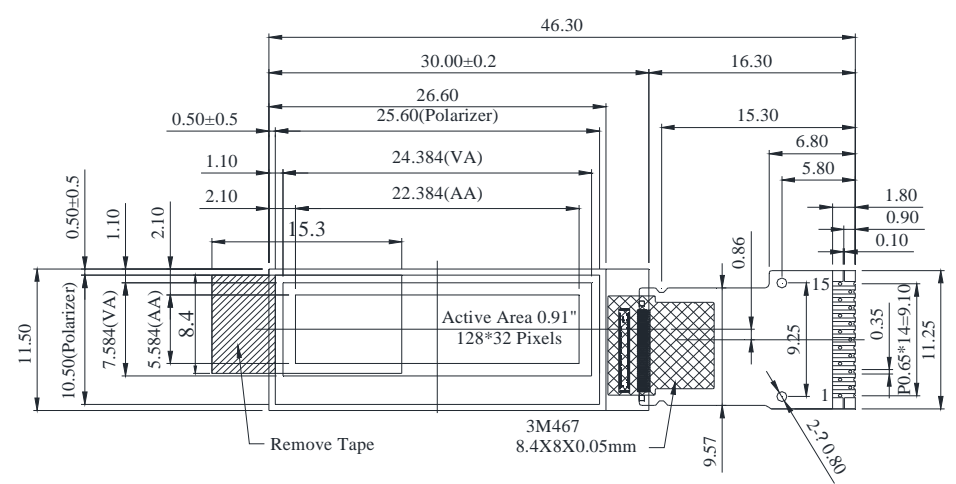
Model No:

WEO012832D

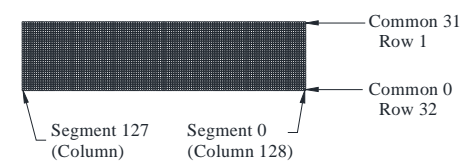
General Specification

Item	Dimension	Unit
Dot Matrix	128 x 32 Dots	—
Module dimension	30.0x 11.5 x 1.45 (mm)	mm
Active Area	22.384x5.584 (mm)	mm
Pixel Size	0.152 x 0.152 (mm)	mm
Pixel Pitch	0.175 x 0.175 (mm)	mm
Display Mode	Passive Matrix	
Display Color	Yellow	
Drive Duty	1/32 Duty	
IC	SSD1306BZ	

Counter Drawing & Block Diagram



Scale 30/1



PIN NO.	SYMBOL
1	C2P
2	C2N
3	C1P
4	C1N
5	VBAT
6	VSS
7	VDD
8	CS#
9	RES#
10	D/C#
11	SCLK
12	SDIN
13	IREF
14	VCOMH
15	VCC

The non-specified tolerance of dimension is ±0.3 mm .

Absolute Maximum Ratings

Parameter	Symbol	Min	Max	Unit	Notes
Supply Voltage for Logic	VDD	0	4	V	1,2
Supply Voltage for Display	VCC	0	16	V	1,2
Operating Temperature	TOP	-40	+80	°C	—
Storage Temperature	TSTG	-40	+80	°C	—

Electrical Characteristics

Item	Symbol	Condition	Min	Typ	Max	Unit
Supply Voltage for Logic	VDD	—	2.8	3.0	3.3	V
Supply Voltage for Display	VCC	—	7	7.25	8	V
Input High Volt.	VIH	—	0.8×VDD	—	VDDIO	V
Input Low Volt.	VIL	—	0	—	0.2×VDD	V
Output High Volt.	VOH	—	0.9×VDD	—	VDDIO	V
Output Low Volt.	VOL	—	0	—	0.1×VDD	V
Operating Current for VCC (VCC Supplied Externally)	ICC	Vcc =7.25V	5	6	7	mA