



**RAYSTAR**



**SPECIFICATION**

# OLED SPECIFICATION

Model No:

**REG010032B**

## General Specification

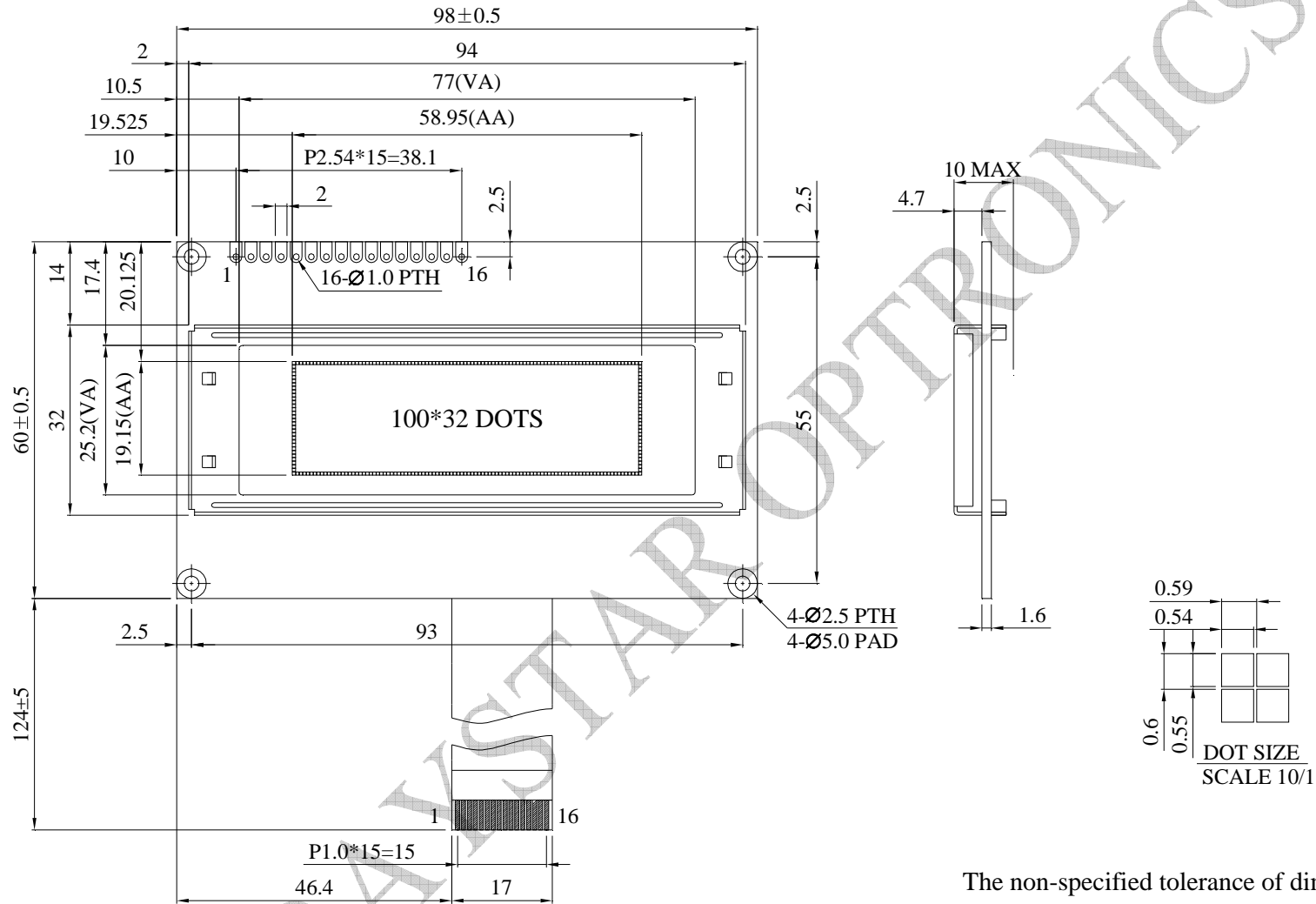
The Features is described as follow:

- Module dimension: 98.0 x 60.0 x 10.0 (MAX) mm
- View area: 77.0 x 25.20mm
- Active area: 58.95 x 19.15 mm
- Dot Matrix: 100 x 32
- Dot size: 0.54 x 0.55 mm
- Dot pitch: 0.59 x 0.60 mm
- Duty: 1/16
- Emitting Color: OLED, White / Yellow / Green / Blue

## Interface Pin Function

Pin No.	Symbol	Level	Description
1	VSS	0V	Ground
2	VDD	5.0V	Supply Voltage for logic
3	NC	—	No Connection
4	RS	H/L	H: DATA, L: Instruction code
5	R/W	H/L	H: Read(Module→MPU) L: Write(MPU→Module)
6	E	H,H→L	Chip enable signal
7	DB0	H/L	Data bit 0
8	DB1	H/L	Data bit 1
9	DB2	H/L	Data bit 2
10	DB3	H/L	Data bit 3
11	DB4	H/L	Data bit 4
12	DB5	H/L	Data bit 5
13	DB6	H/L	Data bit 6
14	DB7	H/L	Data bit 7
15	CS1	—	Chip1 select input pin
16	CS2	—	Chip2 select input pin

# Contour Drawing & Block Diagram



PIN NO.	SYMBOL
1	VSS
2	VDD
3	NC
4	RS
5	R/W
6	E
7	DB0
8	DB1
9	DB2
10	DB3
11	DB4
12	DB5
13	DB6
14	DB7
15	CS1
16	CS2

The non-specified tolerance of dimension is  $\pm 0.3$  mm .

## Absolute Maximum Ratings

Item	Symbol	Min	Max	Unit
Operating Temperature	T <sub>OP</sub>	-40	+80	°C
Storage Temperature	T <sub>ST</sub>	-40	+85	°C
Supply Voltage For Logic	VDD-V <sub>SS</sub>	-0.3	5.3	V

## Electrical Characteristics

Item	Symbol	Condition	Min	Typ	Max	Unit
Supply Voltage For Logic	VDD-V <sub>SS</sub>	—	4.8	5.0	5.3	V
Input High Volt.	V <sub>IH</sub>	—	0.8 VDD	—	VDD	V
Input Low Volt.	V <sub>IL</sub>	—	GND	—	0.2 VDD	V
Output High Volt.	V <sub>OH</sub>	I <sub>OH</sub> =-0.5mA	0.8 VDD	—	VDD	V
Output Low Volt.	V <sub>OL</sub>	I <sub>OL</sub> =0.5mA	GND	—	0.2 VDD	V